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The
CHEMIST AND DRUGGIST
RETAILER - WHOLESALER - MANUFACTURER

1859 28 Essex Street, Strand, London, W.C.2 *Registered as a Newspaper*

MARCH 23, 1946 *Annual Subscription (with Diary) 25/-. Single copies 9d.*

MACFARLAN'S

ALKALOIDS AND ANÆSTHETICS

have attained during over a century of experience, an unassailable reputation for purity and reliability

. F. MACFARLAN & CO.

Makers of Pharmaceuticals since 1780

09, Abbeyhill, Edinburgh. 8, Elstree Way, Boreham Wood, Herts

Index to Advertisers pp. 5 & 6

PACKED PHARMACEUTICALS · HYPODERMIC PRODUCTS

An outstanding reputation

For 75 years a policy of supplying only the finest pharmaceutical preparations at reasonable prices has been consistently maintained.

WRIGHT, LAYMAN & UMNEY LTD.

SOUTHWARK · LONDON · S.E.1 · HOP 2315

BULK DRUGS · DISINFECTANTS

CRESANTOL-15

The Germicide for Modern Antiseptic Fluids

AVAILABILITY
Ample Supplies for Chlorinated Xylenol Antiseptic Fluids.

ACTIVITY
Phenol Coefficient exceeds that of P.C.M.X. (Chloroxylenol B.P.)

ECONOMY
Cresantol-15 is substantially cheaper than P.C.M.X.

FORMULATION
Cresantol-15 is a liquid, and can readily be dissolved in soap solution, either alone or blended with an alcoholic solution of essential oils.

Monsanto
CHEMICALS LIMITED
VICTORIA STATION HOUSE, LONDON, S.W.1

M2603

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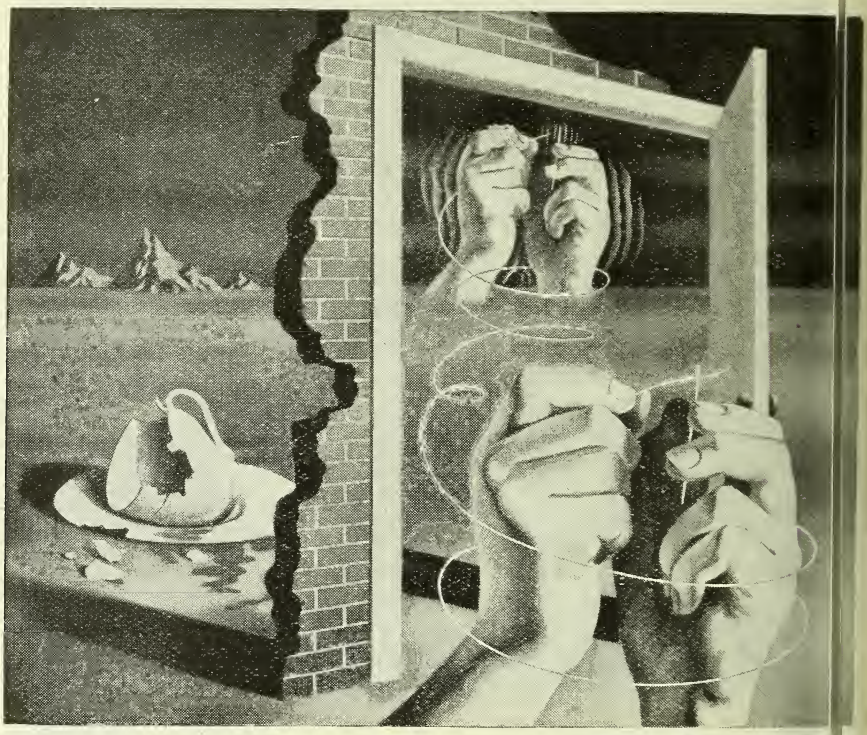

WHEN THE HAND LOSES ITS CUNNING . . . .

When the hand loses its cunning as a result of parkinsonism (shaking palsy) accurate symptomatic medication is indicated. Since paralysis agitans is caused by pathologic changes in the corpus striatum and subjacent structures, cure is impossible.

Nevertheless, definite amelioration of this pitiable condition may be obtained by means of certain solanaceous drugs, and clinical experience has clearly indicated the superiority of an accurately measured, uniform combination of belladonna alkaloids—" Rabellon " tablets.

Each Rabellon tablet contains—

Hyoscyamine hydrobromide	0.4507 Mg.
Atropine sulphate	0.0372 Mg.
Scopolamine hydrobromide	0.0119 Mg.

This combination has " proved to be more effective in the treatment of parkinsonism, even in smaller amounts, than individual alkaloids, other combinations of individual alkaloids or stramonium."

Moreover, " Rabellon " compound of belladonna alkaloids " is equivalent in its efficacy, and superior in uniformity and stability to preparations derived from Bulgarian or American belladonna roots."

" *Rabellon* " *tablets afford prompt and marked symptomatic relief in most cases of postencephalitic parkinsonism and paralysis agitans.* Improvement occurs in the general spirits, facies, muscle rigidity, speech defects and salivation. Dysphagia, tremor, and muscle pain are also relieved.

" Rabellon " tablets are quarter-scored to permit administration of small doses. Supplied in bottles of 100 and 1,000.

Sharp & Dohme Ltd., Hoddesdon, Herts.

'RABELLON' TABLETS

Compound of belladonna alkaloids.

Sharp & Dohme

"Sally and Anthony John"

Crookes Halibut Oil

Window Displays

Our comprehensive advertising campaign for Crookes Halibut Oil is now in full swing and, as usual, our advertisements inform the public that Crookes products are 'obtainable only from chemists'.

After a lapse of five years we are again able to offer you a direct link with our advertising in the form of full window displays.

The display centres round our well-known showcard "Sally and Anthony John" together with descriptive and other decorative material.

lp the National economy effort sending regular stock orders. cal wholesalers will meet all er demands.

This set display will be installed by Messrs. The Window Display Co. and chemists wishing to have their windows dressed are invited to apply direct, or through our representatives.

THE CROOKES LABORATORIES (*British Colloids Ltd.*) GORST RD., PARK ROYAL, N.W.10

FOR ORAL MEDICATION

KERFOOTS
Proflavine
LOZENGES
enable the affected tissues to be bathed in a naturally buffered antiseptic solution.
Each contains
Proflavine Sulphate 3 mg.
In bottles of 36 and 500
1/8 and 20/- including Tax
Usual Terms

KERFOOTS
Sulphanilamide
LOZENGES
are of special value in throat affections due to local streptococcal infection.
Each contains
Sulphanilamide gr. 1 (S_4)
In bottles of 50 and 500
1/8 and 13/3
Usual Terms

KERFOOT

Thomas Kerfoot & Co. Ltd., Vale of Bardsley, Lancashire

KG1

PROMOTES DEEP
REFRESHING
SLEEP

Cadbury's
BOURN-VITA
NEEDS NO SUGAR

NDEX TO ADVERTISERS

R., Ltd. ... xix
ton Pill & Tablet Co., Ltd. ... 12
en, Stafford, & Sons, Ltd. ... 19
glo-African Shipping Co. (S.A.), Ltd. ... 11
hley & Weeks, Ltd. ... ii
ker, R., & Son, Ltd. ... Leader Page
ver Products, Ltd. ... i
tson, Clark & Co., Ltd. ... vi
chams Pills, Ltd. ... 9
elfast Telegraph" ... xv
ger's, Ltd. ... xvii
, W. H. ... 15
cas, Ltd. ... 22
tish Cod Liver Oils (Hull & Grimsby), Ltd. ... 10
tish Dental Sticks, Ltd. ... 14
tish Drug Houses, Ltd., The ... 5
tish Felsol Co., Ltd. ... Cover iv
tish Rototherm Co. ... iv
me & Schimmer ... iii
ok, Parker & Co., Ltd. ... 10
oks Appliance Co., Ltd. ... vii
an, Don, Ltd. ... ii
rough, James, Ltd. ... Leader Page
roughs Wellcome & Co. ... 27
h, W. J., & Co., Ltd. ... 18
to, Ruperto ... ii
bury Bros., Ltd. ... 4
horpe, M., & Co., Ltd. ... 12, xix
ton Laboratories, Ltd. ... xii
wright, W. B., Ltd. ... 6
n Laboratories, Ltd. ... 14
nical & Essential Oils, Ltd. ... xxi
itone Co., Ltd. ... 12
, Ltd. ... 28
ical Products, Ltd. ... 8
Consolidated Glass, Ltd. ... xxi
Cork Trade Association ... xiii
Cox, Arthur H., & Co., Ltd. ... 8
Cresswell Bros. & Marks ... 26
Croda, Ltd. ... 13
Crookes Laboratories (British Colloids, Ltd.) ... 3
Cupal, Ltd. ... xiv
Dae Health Laboratories, Ltd. ... xi
Dales Aspirin Co. ... 13
Daniel, Richard, & Son, Ltd. ... 11
Drury's Pharmaceuticals Ltd. ... Leader Page
E.N.T. Manufacturing Co., Ltd. ... 14
Esmorea Chemical Products, Ltd. ... 22
Fassett & Johnson, Ltd. ... 10
Favell, T. J., & Co., Ltd. ... xxi
Faylene Manufacturing Co. ... xxi
Franks, A., & Bartlett Co., Ltd. ... 21
Freudentheil, Smith & Co. ... Leader Page
Genatosan, Ltd. ... 20
Gerrard Walters & Co., Ltd. ... xviii
Gibson, Robert, & Sons, Ltd. ... xvi
Gilbert, J. C., Ltd. ... ii
Gleim Products ... 24
Gould, N. & M., Ltd. ... xviii
Gosheron, John, & Co., Ltd. ... 13
Griffiths Hughes, E., Ltd. ... 21
H.S. Bottle Co. ... xxi
Harman Dietetic Laboratories, Ltd. ... xxi
Harringtons ... xxi
Heynes, Mathew, Ltd. ... 24
Home Health Services, Ltd. ... 16
Hough, Hoseason & Co., Ltd. ... 15
Ilex Supply Co., Ltd. ... xx
Imperial Chemical Industries, Ltd. ... xv
Imperial Chemical (Pharmaceuticals), Ltd. ... 17

(*continued overleaf*)

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The non-toxic highly-active œstrogen

nœstrol is the most potent synthetic rogen yet discovered. As it possesses the antage of being non-toxic, physicians are scribing it freely for patients who are intolerant to stilbœstrol. Dienœstrol B.D.H. is available in tablets at the following prices (tablets of higher strengths are available if required for special clinical purposes):—

Mg. per tab.	Quant. per bott.	Trade	Med. Profession	Retail
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	100	1/6	2/-	2/3
	*1,000	9/-	12/2	13 6
0.3	25	10d.	1 1	1/3
	100	2/-	2 8	3/-
	*1,000	12/-	16/2	18/-
1	25	1/-	1 4	1 6
	100	3/-	4/-	4 6
	*1,000	18/-	24/3	27/-
5	25	2/-	2 8	3/-
	100	6/-	8 1	9/-
	*1,000	36/-	48 6	54/-

Not subject to Purchase Tax * For Dispensing only

E BRITISH DRUG HOUSES LIMITED LONDON N.1

INDEX—(contd.)

Influcol, Ltd. ... xxii
International Laboratories, Ltd. ... 14, x
Ionic Laboratories, Ltd. ... 26

Jarvie, Hugh & Co., Ltd. ... iii
Jeffreys, Miller & Co., Ltd. ... 13
Johnson & Johnson (G.B.), Ltd. ... 23
Jones, W. H., & Co. (London), Ltd. ... Leader Page

Kay Bros., Ltd. ... 15
Kearsley, C. & G., Ltd. ... Leader Page
Keeling & Walker, Ltd. ... ii
Kellys, J. (London), Ltd. ... ii
Kerfoot, T., & Co., Ltd. ... 4

Lingford, J., & Son, Ltd. ... 12
Liquinure Sales ... xiv
London & Provincial Factors, Ltd. ... xiii

Macfarlan, J. F., & Co. ... Front Cover
Mono Containers, Ltd. ... ix
Monsanto Chemicals, Ltd. ... 1

Napp, H. R., Ltd. ... Leader Page
National Glass Works (York), Ltd. ... v
Neill, James, & Co. (Sheffield), Ltd. ... xiii
Newball & Mason, Ltd. ... 14
Niblett, C. P. ... 13

Optabs, Ltd. ... xxii

P.A.C. Chemicals, Ltd. ... 21
Palestine Potash, Ltd. ... iii
Pascall Engineering Co. ... iv
Percenta, Ltd. ... xiv
Pharmaceutical Specialities (May & Baker), Ltd. ... Cover iii
Pharmax, Ltd. ... 16
Potter & Clarke, Ltd. ... 25
Prentice, J., (London), Ltd. ... xxi

Promedico Products, Ltd. ... v
Propp, Max. Ltd. ... i

Rabok Manufacturing Co., Ltd. ... v
Recd Bros. (Engineering) Ltd. ... v
Rendell, W. J., Ltd. ... 7
Rex Containers, Ltd. ... ii
Robinson & Sons, Ltd. ... ii
Rodmill Chemical Co., Ltd. ... v

Sangene, Ltd. ... x
Scientific Pharmacals, Ltd. ... 6
Sessions, W., Ltd. ... Leader
Sharp & Dohme, Ltd. ... 2
Sherley, A. F., & Co., Ltd. ... x
Siemens Electric Lamps, Ltd. ... v
Sigal, S., & Co., Ltd. ... 2
Songo ... Leader
Southon Laboratories, Ltd. ... 23
Stemco, Ltd. ... x
Stretch, Wilfred, & Co., Ltd. ... vi
Surgical & Manicure Specialists, Ltd. ... 2
Surgical Hosiery Co., Ltd. ... ii
Sutton, W., & Co. (Druggist Sundries, London) Ltd ... vi

Tampax, Ltd. ... ii
Tintex Dyes ... iii
Town Talk Polish Co. ... v
Twinkle Headache Powders ... Leader

Velvet Crepe Paper Co., Ltd. ... iii

Watts, J. (Sheffield & London), Ltd. ... ii
Westminster Laboratories, Ltd. ... 16
Willson's ... xi
Wilson Meats, Ltd. ... vi
Winox ... vi
Wright, Layman & Umney, Ltd. ... Co

Zeal, G. H., Ltd. ... vi

The BIG 3¼d SIZE is selling well

Since we re-introduced the big 3 d size sales of Urillac have increase y leaps and bounds. See your st ks are adequate to meet the grov g demand. Display the attrac e Urillac packs on your counter d reap the benefit from our consis t National Advertising.

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On the PATA Protected List.

OLE DISTRIBUTORS: W. B. CARTWRIGHT LTD., RAWDON, L DS

"I know it is difficult"

Your customers continually ask for **SILATEX** and **SANTRON** and yet you cannot obtain sufficient supplies to meet the demand. We are doing our best to arrange distribution to wholesalers so that all Chemists obtain their fair share. The demand is ever increasing but the shortage of raw material is a matter we know you will understand.
There is no shortage of **RENDELLS** or **MENSINOLE** and all Wholesalers now have ample stocks, so continue to display Rendells Products for Feminine Hygiene. It creates new customers and gives confidence to regular users.
Special Chemists' Display Material is still available, so write to-day for a supply.

RENDELLS
SILATEX
SANTRON
MENSINOLE

RENDELLS PRODUCTS

P.A.T.A.

For Feminine Hygiene

J RENDELL LTD · HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.1

THE SYMBOL OF COX RELIABILITY

ARTHUR H. COX & CO. LTD. BRIGHTON

MANUFACTURING CHEMISTS SINCE 1839

PRE-EMINENT
IN THE PRODUCTION OF
PILLS AND TABLETS
(PACKED OR IN BULK)

MILLIONS of Advertisements

THOUSANDS of Booklets

HUNDREDS of Prescriptions

have sent hundreds of thousands of bottles of

MENOPAX

to thousands of chemists to give benefit to countless numbers of middle-aged women resulting in substantial profit to chemists.

Are you getting your share ?

IMPORTANT TRADE ANNOUNCEMENT

by Beechams Pills Limited, St. Helens, Lancs., re

PHOSFERINE [ASHTON & PARSONS] LIMITED

From April 1st, 1946 we are taking over the selling agency for the products of Phosferine (Ashton & Parsons) Limited, Watford, Herts. The preparations concerned are:—

PHOSFERINE (TABLETS & LIQUID)
ASHTON & PARS NS INFANTS POWDERS
SANACINE TABLETS
KEMNOS OINTMENT

om the above date the distribution of the products named will be dertaken from St. Helens, and these preparations will be available ng with the existing Beecham Group lines already supplied from re.

ll particulars of the new arrangements have been posted to the ade together with an order form embodying details of the new nposite and separate order arrangements. If, however, you do not eive a copy of our Trade notification and revised order form, will ı kindly communicate with Beechams Pills Limited, St. Helens, ncashire, and we will immediately despatch full particulars to you.

REMITTANCES FOR GOODS SUPPLIED FROM PHOSFERINE (ASHTON & PARSONS) LTD., WATFORD.

It is particularly requested that on and after April 1st, 1946, all remittances in payment of goods supplied by Phosferine (Ashton & Parsons) Limited, Watford, Herts., *up to and including 31st March*, 1946, should be posted to Beechams Pills Limited, St. Helens, Lancashire, but the cheques in payment thereof should be drawn in favour of Phosferine (Ashton & Parsons) Limited.

EECHAMS PILLS LTD., ST. HELENS, LANCS

lephone: St. Helens 2241 Telegrams: Beecham, St. Helens

A good teaspoonful of **SevenSeaS** cod liver oil taken each day will make good the one ounce cut in the fat ration—and will give you much more Vitamin A and much more Vitamin D

Arctic Glow
TRADE MARK
ANALGESIC BALSA
MENTHOL &
WINTERGREEN
CREAM

A most effective external applica n for the relief of Rheumatic and N e Pains, Lumbago, Sciatica, Stiffne Neuralgia, etc.

Manufactured in England by
BROOK, PARKER & CO. LTD
BRADFORD.

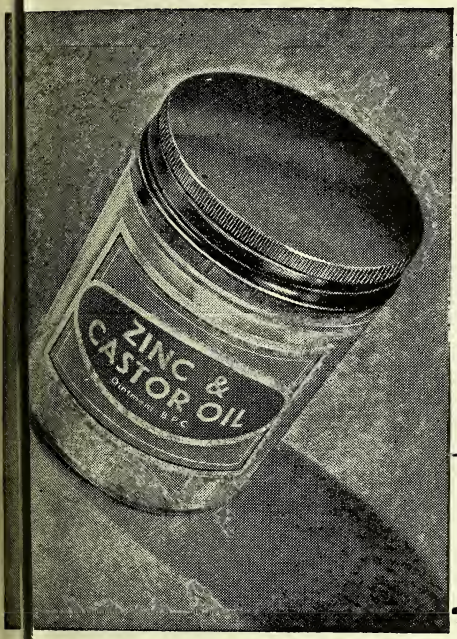
NODAN

NODAN—Prepared from new and highly scientific formul obtains results very rapidly. Eradi cates scalp disorders, stops scur irritation. Non-toxic, non-greasy does not stain. Sells at 3/10½d. pe bottle, including tax.

SPECIAL INTRODUCTORY BONUS OFFER

Full particulars on application from th

SOLE DISTRIBUTORS
FASSETT & JOHNSON, LTD
86 Clerkenwell Road, London, E.C.



Tribute to Ointments . . . . . .

Wherever our ointments are used, all pay tribute to their exceptionally fine appearance and uniform consistence. Whether packed or in bulk their high quality never varies.

Richard Daniel & Son Ltd. Derby

MANUFACTURING CHEMISTS
ESTABLISHED 1860 - DERBY 4266-8

SOUTH AFRICA

For best possible service entrust the distribution of your pharmaceutical products to

ALEX. LIPWORTH Ltd.

1–3 DE VILLIERS ST., JOHANNESBURG

DEPOTS THROUGHOUT THE UNION

Laboratories in the same organisation are also available for Manufacturers of Pharmaceutical Proprietaries

or particulars apply to:

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3 TONICS TO RECOMMEND

THERE IS ALWAYS A STEADY DEMAND FOR

1 **MELUSINO** *Tonic Wine*
For sale by licensed Chemists only 7/6 & 14/-

2 **CHERITONE** *Tonic Cup*
2/9 & 5/- including tax

3 **CHERITONE** *Tonic Tablets*
1/-, 2/6 & 5/- including tax

Attractive Trade Terms
Samples furnished on request

CHERITONE CO., LTD., 149, FARRINGDON RD., E.C.1.

SUN-SPA SALT
The new
Spa-Treatment-in-the-Hor
for rheumatism, lumbago, sciatica, go
or just ordinary "tummy" troubl
Retail in 3d. packets & 1/6 t
JOSEPH LINGFORD & SON, L
BISHOP AUCKLAND, COUNTY DURH

MANOIDS
NEVROIDS
URICURE TABLET
OCCASIONAL PILL
THE ACTON PILL & TABLET Co. Ltd.
ASH VALE, SURREY
and all Sundries Houses

Always in
GREAT DEMAND

This strongly advertised non-alcoholic tonic is a sure seller now and will be a big stand-by in future.

NO LICENCE REQUIRED

Sold by all good Chemists and Stores

Price 5/- & 3/-

M. CALTHORPE & CO., LTD.
Manufacturing Chemists, OSSETT

It's RIGHT. It's a CALTHORPE PRODUCT

VIRONITA
VYRO-NIGHT-A
TONIC & RESTORATIVE

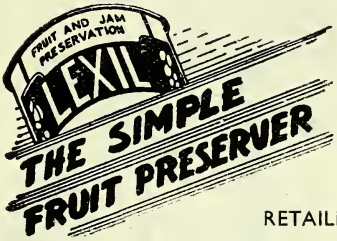
OU'LL BE GLAD OF LEXIL SOON

THE PRESENT SERIOUS FOOD POSITION IS GOING TO SEE A BOOM IN BOTTLING.

Stock up now with LEXIL, the simple Fruit and Jam Preserver that requires no Caps, Clips or Special Jars.

New improved pack available for this season's trade. National advertising now commencing in all the principal ladies' papers.

In past years we have received many orders direct where the public could not buy locally. We do not seek or want this business. Our policy is to sell through Chemists exclusively.



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2/9 lb. TIN

less 33⅓% trade terms

Th gh your wholesaler or direct from :

ODA LIMITED, RAWCLIFFE BRIDGE, GOOLE, YORKS

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The VITAMIN MALT FOOD

With Vitamins (A. 6,500 I.U., D. 400 I.U. per fl. oz.)

Sole Manufacturers.
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THE MODERN INDISPENSABLE SELF-ADHESIVE CELLULOSE TAPE

Available now for all industrial requirements

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DR. NIBLETT'S VITAL RENEWER NERVE SEDATIVE

ADE TERMS—33⅓% to Chemists or throug your Wholesaler.
Retail Price 5/- per bottle, including tax

epared by C. P. NIBLETT Est. 1870
10, Lichfield Terrace
CHMOND, SURREY Phone RIC 3221

Compressed TABLET SERVICE

WHOLESALE & EXPORT

Reasonable estimates.
Clients' own material operated if desired.

The . . .
DALES ASPIRIN AND TABLETING CO.
Barrows Lane, STEETON, Yorks.

IF YOU'RE OUT OF ONE RECOMMEND THE OTHER

In these days, when, do what we will, we canno always cope with demand, there is an added advantag in the two kinds of Parmint and their three size: All our Press advertising features bot Parmints and mentions all thei prices. At the moment the 1/5 read for use Parmint Syrup is in shor supply. If you are temporarily ou of stock, recommend your custome to take a 2/10 bottle or a 3/1½ bottle of the Parmint Concentrate Essences.

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INTERNATIONAL LABORATORIES LTI
1-3, SMEDLEY STREET, LONDON, S.W

CELLON SERVICE
FOR INDUSTRIAL WELFARE

FOR HEAD LICE
CELETANE (Regd.)
Medicated (Lethane) Hair Oil—N.W.F.
Undetectable in use. Rapidly effective.

FOR SCABIES
BENZELIA (Regd.)
Benzyl Benzoate—25%
An emulsion of high efficiency, extremely effective in the treatment of this infestation.

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KINGSTON-ON-THAMES
KINGSTON 1234 (5 lines)

CELLON LABORATORIES LIMITED

cvs-37b

P.A.T.A.
NERVE POWDERS
E.N.T.
TRADE MARK REGD.

A STEADY INCOME
—is assured if you k E.N.T. Powders d Capsules. Good f good formula and d profit bringers. e
for our special term
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Good! it's **MASON'**
EXTRACT OF HE S
The Chemists' FAVOURITE for over 75 YEARS
A 9d. bottle makes 6 gallo of delicious sparkling Mason's b Beer. GOOD PROFITS—QUICK ES
Write for Trade Term
NEWBALL & MASON LTD., NOTTINGHAM. Est. 0

DENTAL STICK

Retail Chemists who have not yet stocked Dental Sticks should seriously consider obtaining supplies through their Wholesaler or direct from

BRITISH DENTAL STICKS LIMIT
46 Elswick Road, Newcastle-on-Tyne

ZAC ZINC and CASTOR OIL CREAM

The perfect healing and soothing cream - Ideal for babies.

Prepared in a modern scientific soothing base—50% Castor Oil, 7½% Zinc Oxide B.P. ZAC Zinc and Castor Oil Cream is particularly suitable for babies, chilblains and skin affection.

RETAIL : 2 oz. 1/3, 4 oz. 2/- incl. tax.
COST : 8/- and 12/6 doz. + 16⅔% P. Tax.
BONUS: 13 to doz., gross lots.

ZAC *Compound* ZINC & STARCH *Powder*

A smooth absorbent powder compounded from the purest and finest quality Zinc Oxide, Starch, Boracic and Talc. Powder. Antiseptic and Healing. Ideal for babies.

RETAIL: 1/3 incl. Tax. COST: 9/- doz. + 16⅔% P. Tax.
BONUS: 13 to doz. gross lots.

CHEMIST'S FORMULA

HOUGH, HOSEASON & CO. LTD., Levenshulme, Manchester, 19.

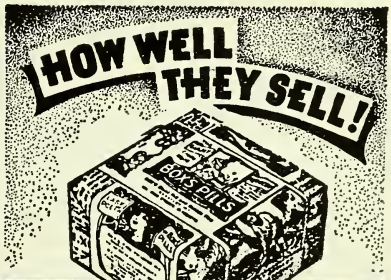
MEMBERS OF THE P.A.T.A.

der in the new 1/- pack

le prices: 8/- per doz. 1/- packs of 4; also es in display box illustrated 24/- per gross.

n your wholesaler or direct from Makers:

AY BROTHERS LTD. STOCKPORT



Box's Pills

Your friend for more than 50 years, BOX'S PILLS carry on the good work of helping the public's digestion through difficult times.

P.A.T.A. retail prices (including P. Tax): 1/3, 3/-, 4/10½, 12/-, 21/9.

W. H. BOX

161 KING STREET, PLYMOUTH

a six-in-one Vitamin capsule you can really recommend!

Pharmacists can recommend Vykmin Multiple-Vitamin Capsules with every confidence. Each Vykmin capsule contains regulated and specific quantities of all 6 essential vitamins—A, B_1, B_2, C, D and Nicotinic Acid. Available in two sizes: 6/- (30 capsules) and 9/6 (60 capsules).

Vykmin MULTIPLE VITAMIN CAPSULES

Obtainable from your regular Wholesaler

HOME HEALTH SERVICES

132, Baker Street, London, W.1

DIUROMIL

We regret to inform the trade that, owing to increased demand and shortage of raw materials, supplies of "**DIUROMIL**" brand uric acid eliminator are limited. Every effort is being made to clear outstanding orders, which are being dealt with in rotation

RALGEX

GOOD supplies of "**RALGEX**" brand analgesic are now available and orders can be dealt with as received

PHARMAX LIMITED

IBEX HOUSE, MINORIES, LONDON, E.C

Pack	Retail incl. P.T.	Trade per doz.	Purch. Tax per doz.
Tins	3/4½	27/-	4/6
1 lb. Cartons	22/6	180/-	30/-

EXTENSIVELY ADVERTISED

EVER INCREASING DEMAND

Ki-uma Ointment for the relief of

RHEUMATIC CONDITIONS, STIFF AND SWOLLEN JOINTS, BRUISES, STIFF NECK.Etc

From your C.F. Wholesaler, or in case of difficulty, from the manufacturer

P.A.T.A.

WESTMINSTER LABORATORIES L

PENN, BUCKS.

TELEPHONE: PENN 3137

'AVLON' *brand of*

SULPHANILAMIDE B.P.

POWDER

Bottles of 1 *oz.*, 4 *oz.*, 1 *lb.*, *tins of* 7 *lb.*

TABLETS—0.5 gramme (7½ grains)

Bottles of 30, 100, 500 *and* 1,000

Obtainable from your usual suppliers

A product of

IMPERIAL CHEMICAL [PHARMACEUTICALS] LIMITED

89, OXFORD STREET, MANCHESTER, 1

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BENZOATE
B.P.

Manufactured by

Bush

W J BUSH & CO LTD · LONDON E8 · ENGLAN

ALOES

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PULV. ALOES, BARB. B.P.
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★

QUASSIA

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SPARTEINE SULPHATE

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THE STANDARD OF RELIABILITY

StaffAllens

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FIRST-AID DRESSING,
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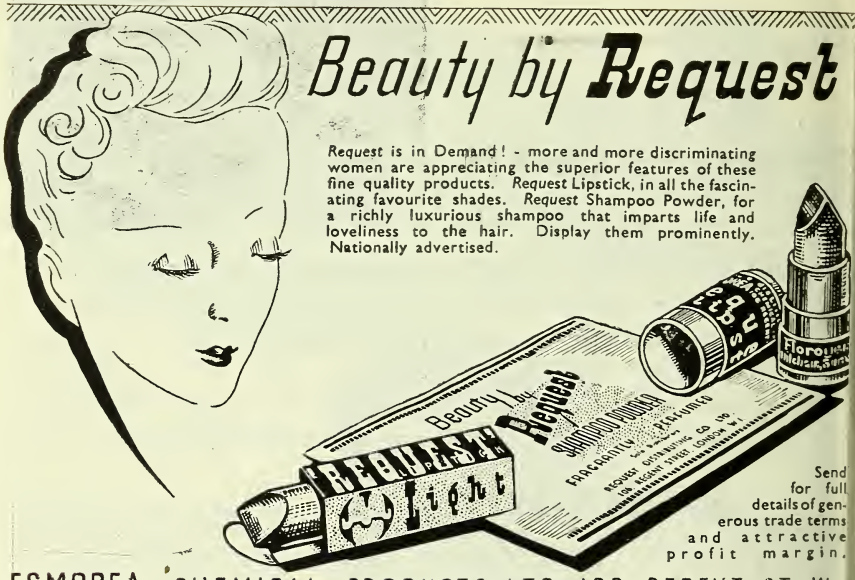

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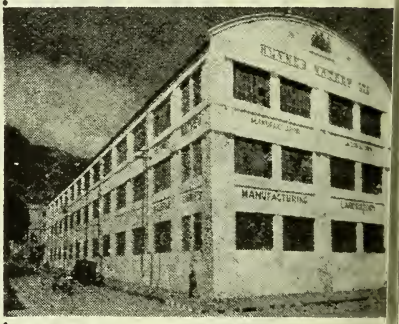

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CONTENTS

	Page
irths	358
ritish-made Laboratory Chemicals	365
usiness Changes	359
hief Officials of Drug and Pharmaceutical Organisations	371
oming Events	384
ompany News	359
eaths	358
ditorial Articles :—	
Portrait Gallery	369
Views on Nationalisation	369
Bomb Damage Repair Procedure	370
sential Oils Control	383
formation Wanted	368
sh News	362
News of the Week	353
Overseas Trade and British Pharmacy	363
Overseas Trade News	379
P.A.T.A. Jubilee—Trade Tributes	375
Personalities	358
Pharmaceutical Society of Ireland :—	
Council Meeting	372
Professor Todd on Academic Changes	364
Proprietary Articles Trade Association	361
Sterilisation in Dispensing Practice	366
The Week in Parliament	356
Topical Reflections	357
Trade Marks	384
Trade Notes	360
Trade Report	380

NEWS OF THE WEEK

rnley Sulphonamides Lecture.—"Sulamides" was the title of a lecture gi n to Burnley Branch of the Pharmaceutical Society on March 14 as part of a co e arranged by the Burnley Municipal Co ge.

ternational Medical Body.—The formati of an international medical body which w d unite the International Health Office ar he health sections of the former League of tions and of U.N.R.R.A., is the purpo of a meeting of medical experts from se teen of the United Nations now in rogress in Paris. Discussions on the su ct are expected to continue for several we s.

presentatives' Meeting Called.—A meeting f representatives of branches of the Ph maceutical Society and National Pharma utical Union and of Pharmaceutical Co ittees, is to be held at the Conway Ha London, W.C.1, at 2 p.m. on Tuesday, Ap 9, to consider the National Health Se e Bill and the policy to be adopted to ds it. Invitations have been sent to local organisations to appoint representatives on the same basis as in 1945, namely : two for each organisation with, so far as practicable, the same persons representing the three bodies. A meeting of representatives of Pharmaceutical Committees will be held in the morning of April 9.

National Health Service Bill.—This legislation has been formally presented to the House of Commons. If copies of the Bill are available at H.M. Stationery Office on Thursday, March 21—the date provisionally fixed for publication—we are arranging to produce a special National Health Service Supplement which will be dispatched to all subscribers in the British Isles on Friday morning, March 22. The Supplement will provide our readers with early advice of the chief proposals of this legislation, including those that will affect pharmacy, pharmacists and the drug trade generally.

Diabetes Cure Investigation.—An expedition of U.S. scientists is to visit Nyasaland shortly to investigate certain tropical plants said to contain amellin, a substance believed to have great possibilities as a cure for diabetes.

Merseyside Film Lecture.—At the meeting of the Boots (Merseyside) Pharmaceutical Associations in Liverpool on March 12, Mr. W. J. Merrick gave a lecture on sera and vaccines. A film, "Behind the Doctor," illustrated the lecture.

Teachers in Industry.—A scheme to encourage more full-time teachers to return to industry to freshen their industrial and commercial experience, and to keep abreast of industrial developments, has been announced by the Ministry of Education. Special leave up to a maximum of six months with full pay, and an additional six months without pay, is being granted.

Brighton Association Lecture.—Army pharmacists taking the refresher course at Brighton formed part of the audience at a recent meeting of the Brighton and Hove Association of Pharmacy. The occasion was a lecture given by Mr. H. G. Rolfe, Ph.C., on "The Seven Addenda to the British Pharmacopœia." A vote of thanks to the speaker was proposed by the president (Mr. Donald W. Hudson).

Trade Agreement with Argentina.—It has been arranged between the Governments of the Argentine and the United Kingdom that the Agreement of Trade and Commerce concluded on December 1, 1936, shall be regarded as remaining in force for a further period of six months in the form of a General Agreement. The Agreement was due to expire on February 21, in consequence of six months' notice of termination having been given by the Argentine Government on August 21, 1945.

Institute of Chemists-Opticians.—At a recent meeting of the council of the Institute of Chemists-Opticians, it was reported that Mr. R. Goode was the Institute's representative on the deputation of optical practitioners to the Minister of Health (Mr. Aneurin Bevan) to discuss the place of the optician in the new health services. Mr. F. Lord was appointed *Treasurer*, in place of Mr. A. E. Campion (resigned), and the offices of *Registrar* and *Secretary* were combined in the person of Mr. J. Ross-Mansell.

Newcastle Penicillin Demonstrations.—Demonstrations of the dispensing of penicillin cream in Newcastle are planned by the Newcastle and Northumberland Bra of the Pharmaceutical Society. Sugges times are Tuesday, Wednesday, and Th day evenings, 6.30-8.30 p.m., and phar cists wishing to enrol should write Mr. C. Lonsdale, 14 Middle Street, Cons Durham, giving a choice of dates. Branch is also prepared to arrange dem strations at Alnwick, Hexham, Morp and Berwick.

Leicester Activities.—A pianoforte rec by Councillor Adrian Mattock, M.P featured on the programme at a so evening of the Leicester and Leicesters Branch of the Pharmaceutical Society March 14. Three special lectures to be gi shortly by medical men will bring to a c a two-year evening post-graduate course local pharmacists. The wide selectio manufactured products on view was a n feature of the first year's course (which d with new official substances), while steri tion and the dispensing of penicillin dealt with in the second year. An eve course for the Diploma of Biochem Analysis is planned for next year.

Voluntary Hospitals' Plan.—The Br Hospitals Association has prepared a that claims to offer a comprehensive health service combining State resou with the best features in the present sys Voluntary hospitals would work along local authority or State hospitals, and patient would thus be given a free choi hospital. The Minister of Health, with help of central and regional hospital bo would assume general responsibility, each region would be based on a teac centre. Voluntary hospitals would paid for the services rendered to the S but they would still be free to enga activities outside the scope of the nat service.

Royal Institute of Chemistry.—In presidential address at the sixty-ei annual meeting of the Royal Institu Chemistry, held in London on March Professor Alexander Findlay invited collaboration of other bodies in brin about a better understanding of the in tance of chemists' work in the commu He stressed the need for co-operation understanding between chemists and ministrators. Dr. Gerald Roche Lynch later declared *President* for the year. luncheon earlier in the day Sir Stafford C (President of the Board of Trade) state belief that, in industry, the scientist just as important a part to play as administrator.

Anglo-U.S. Penicillin Agreement.—A /hite Paper published recently gives etails of a secret war-time agreement etween the United Kingdom and the nited States for the exchange of available formation about penicillin. The agreeent, which was made on December 1, 44, is now to be extended indefinitely, d the two Governments have entered into ntracts with academic, industrial and vernment research workers to secure the lp of skilled scientists in further investitions. The right is retained to require tentees to grant non-exclusive, royaltye licences for certain State purposes.

Doctors' Campaign Fund.—The Council of e British Medical Association has estabhed a fund to further the cause of the dical profession in any major dispute t may occur between the Government d the profession in connexion with the posed National Health Service. The sociation has guaranteed £1,000 to the d, and doctors are being urged to rantee individual amounts, £25 being suggested figure. One part of the fund l provide for administrative, propaganda l allied expenditure, and a second for npensation of individual doctors who, ecause of their adherence to the cause heir profession," may suffer exceptional ncial hardship.

Vest Ham Enterprise.—A large attende of pharmacists, doctors and other tors rewarded the West Ham Branch the Pharmaceutical Society, when it ke new ground with a meeting in thamstow on March 13. With the aid lantern slides Mr. Charles Beaven ured on "The Riddle of Allergy," dealt with the history, mechanism and ries of allergy, and with the diagnosis treatment of allergic conditions. Rogers, himself a pharmacist, in moving te of thanks, commented on the great e of combined meetings of chemists doctors, and Mr. S. T. James (chairman the Walthamstow Branch, National rmaceutical Union) seconded.

r. Heseltine at Sheffield.—Mr. T. eltine (a member of the Pharmaceutical ety's Council) addressed the Sheffield ch at a meeting on March 13. Illustrahis remarks from a wide experience of maceutical organisations, he mened that pharmacy was the best organised y profession, and he urged pharmacists ke an interest in the work of these nisations and of the Council. Concernhe health services Bill, he described the new united body to watch the Bill's progress, as illustrating the "comradeship of misfortune," and the power of the Minister of Health to create in a few moments a unity in pharmacy which years of effort had previously been unable to make.

Aberdeen N.H.S. Discussion.—"The Pharmacist and the new Health Services" was the title of an address given by Mr. W. J. Tristram (a member of the Society's Council) at a meeting of the Aberdeen Branch on March 13. The Pharmaceutical Joint Committee had actively watched the interests of pharmacists since the first proposals for a new health Bill became known, and the main principles of the committee, the speaker added, were that pharmaceutical service must be the responsibility of the pharmacist, that pharmacy must be represented adequately in the administration of the new service, and that there must be a "free choice" of pharmacist. The chair was taken by Mr. G. M. Cruickshank

Durham Branch.—"Pharmaceutical Education" was the title of an address given at a meeting of the Durham Branch of the Pharmaceutical Society on March 6 by Dr. J. M. Rowson (head of the pharmacy department, Sunderland Technical College). Dr. Rowson dealt with the development and scope of education, and pointed out that the present tendency was to require higher academic standards. He advised prospective pharmaceutical students to acquire a good certificate of general education before becoming registered, and then to aim at one of the higher qualifications of the Society. The chairman of the meeting was Mr. T. Melrose; a vote of thanks to the speaker was moved by Mr. Agard, and seconded by Mr. Willerton.

Institute of Management.—The Treasury has agreed to make a grant (not to exceed £150,000 over the first five years) to ensure a favourable start for a British Institute of Management. Sir Stafford Cripps (President of the Board of Trade), in making the announcement recently, stated that the committee for the establishment of the Institute, under the chairmanship of Sir Clive Baillieu (President of the Federation of British Industries), is recommending that the functions of the Institute should be to provide a centre for study and research, to disseminate information on management, to advise on schemes of training and, by co-operation with other bodies, to assist in raising standards of management practice.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

ANNOUNCEMENTS on working parties were made by SIR STAFFORD CRIPPS in the House of Commons on March 11. He told the House that the task of setting up working parties for another ten industries—making fifteen with those already announced—had reached an advanced stage. The original working parties were making good progress, and he was confident that the reports, when they came forward shortly, would be found to contain valuable recommendations. "I should like to take this opportunity of saying that the establishment of working parties in the field of consumer goods industries does not carry with it any general implication of inefficiency in those industries," said Sir Stafford. "It is, however, in this field that the circumstances of war have arrested the normal processes of maintenance and development; and in any case our general economic position is such that nothing less than the highest possible degree of efficiency will suffice." It was not his intention, he added, to set up any further working parties for the present. Those already started or about to start would absorb all the available personnel.

Army Stocks of Spectacle Lenses

MR. WILLIAMS asked the Minister of Supply on March 11 if he was aware that Army stocks of spectacle lenses were being sold abroad; and whether, in view of the shortage of lenses in this country, he would take steps to have unused stocks of lenses brought home.

MR. WILMOT: The Army spectacle lenses mentioned are of the flat type, of which there is now no shortage. It is the curved type which is short.

Advisory Service for Industry

SIR STAFFORD CRIPPS, replying to COLONEL REES-WILLIAMS on March 11, announced the establishment, after consultations with both sides of industry, of an advisory service within the Board of Trade, designed to assist industry to increase productive efficiency. "I have reason to believe that there is a considerable demand from progressive firms, particularly perhaps some of the smaller firms, for a service of this nature." The service, he said, would be known as the Board of Trade Production Efficiency Service. It would operate in response to requests from firms, to whom no charge would be made at present. There would be appropriate consultation h workers' representatives. The scope d organisation of the service would necess y be experimental at first, but full advan e was being taken of the experience gaine n the somewhat similar services which e provided during the war by the su y departments for the benefit of firms u- gaged in war production. The Directo f the new Service would be Mr. F. Chappell, who was formerly in charge a similar service run by the Ministry of - craft Production. "The Service will e started on a modest scale. It is unli y that it will be able to meet all dem s made on it, and priority will be give o firms whose production is of special imp - ance, either to the export trade or to t the essential demands of the home mark "

Mergers of Small Businesses

A question arising from what was c d "a current boom in mergers in the r il trade" was put by MR. BOARDMAN to e President of the Board of Trade recen Mr. Boardman asked whether, in w of the transfer of ownership of many s l businesses to large distributive concerns e Minister would consider compulsory dis y of the name of the actual proprieto n addition to any trade name on the r il shop premises. SIR STAFFORD CRIPPS d he had no information bearing on e suggestions contained in the first part o e question. He drew the questioner's at - tion to the provision of Section 93 of e Companies Act, 1929, which provided t every company should paint or affix s name on the outside of every office or p e in which its business was carried on, a conspicuous position and in letters e y legible. The provision applied only o companies registered under that Act d he had no power to extend the requirem s.

Penicillin Factory Progress

MR. KIRBY asked the Minister of Su y whether he would make a statement on e progress, number employed, and ou t at the new penicillin factory at Sp Liverpool. MR. LEONARD: Productio n this factory is at present in its initial st and the number of people employed is Output is rising steadily at a rate th expected soon to increase when initial culties have been overcome and the st fully trained.

TOPICAL REFLECTIONS

he P.A.T.A. Jubilee

The importance of the work done by the roprietary Articles Trade Association is idenced by the space you allotted to its bilee commemoration in last week's issue p. 331–40), as well as by the interesting rratives of Mr. William Johnston and r. H. E. Chapman. The folly of retailing cut" proprietary articles under the contions prevailing in the 'eighties was too vious for words. Some of these articles re then advertised in the lists of departntal stores at prices below the ordinary olesale prices. It followed that whether ail chemists doing an average trade sold se goods at their actual cost or just below they were losing money on the offenders o say nothing of the storage space occud. The attitude of retailers varied. Some keted their losses in silence; others rged higher prices to ledger customers n for cash; others, again, insisted on e value and conducted arguments across counter. The enterprise of Mr. (afterds Sir) William Glyn-Jones in reconciling interests of manufacturers, wholesalers retailers and launching the P.A.T.A. erves the tributes you have published. was untiringly supported by Mr. John-n, whose missionary journeys must have ught him into contact with almost every il chemist in business during the "spadek" years of the Association. I may add the publicity given to the movement HE CHEMIST AND DRUGGIST from the was a considerable factor in winning uccess.

tick as a Tonic

embers of the National Association of hen Pharmacists present at the recent embers' night" (p. 345) must have yed themselves. The happy idea of ing a debate on the feeling of superiority buted to hospital pharmacists may mmend itself to committees of other iations. And the insight shown in Morgan's remark that "in psychoal effect a lipstick was often better a bottle of tonic to a depressed woman" well afford a hint, or more than one, iters of advertisements and to window ers. The speaker's aphorism will bear nsion. It is generally understood that v hat is of all tonics the most potent e gentler sex. Why, then, should not ists experiment with ladies' hats as a ine? The inhibitions of the Pharmacy and Medicines Act, 1941, would not apply to whatever claims might be made for the tonic efficacy of these goods, so long as certain diseases were not named. Some readers of this paragraph may wonder whether anything could be done on the same lines for men. I think not. It looks as if (on the evidence of public thoroughfares) the average male of today does not care how he dresses, the only exception to this rule being due to an occasional event such as a wedding. So let men continue to shuffle along as they are, while the windows of our pharmacies become gay, even resplendent, with the "creations" of artists in feminine head-gear.

A Physician Prescribes for Cattle

In March 1746 an epidemic among cattle, which had been prevalent in this country for several months, had become so formidable that "The Gentleman's Magazine" devoted considerable space to it. One of the principal articles in the issue for the month was an abstract of Dr. Richard Brocklesby's recently published essay on the subject. Brocklesby had obtained his degree at Leyden in the previous year; we can only suppose that his training had been specialised in such a way as to entitle him to prescribe for "horned cattle." In his subsequent practice in London he became rich, notwithstanding the handicap of a foreign degree. His contributions to medical literature included a study of hygiene in the Army and a recommendation of music as an aid in the treatment of certain ailments. Brocklesby's prescriptions for the distempered cattle of 1746 strike a modern reader as conventional and of doubtful value. The animals were to be bled and to be given bran-water "a little sowered" with vinegar or with dilute sulphuric acid. Two formulas for drenches were printed: one consisted of camphor, honey and nitre, and the other of powdered valerian, powdered serpentary and sweet oil or Venice treacle according to symptoms. The vehicle of each drench was watergruel. Everything was not left to private initiative, however. On February 13 the Royal assent was given to an Act authorising the King (George II) to make Orders in Council for dealing with the situation. On March 12 an Order in Council extending to about 1,800 words was duly made; it was printed in the March issue of the magazine mentioned. The prominence thus given to this topic is understandable.

Xrayser

BIRTH

JARVIE.—At Dewsholm nursing home, Glasgow, on March 14, the wife of Alex P. Jarvie, M.P.S., 53 Loch Road, Kirkintilloch, of a daughter.

DEATHS

BALMER.—At her residence, Glenshane, Ranturly Avenue, Bangor, N. Ireland, on January 12, Mrs. Annie H. Balmer, wife of Mr. James S. Balmer, M.P.S.N.I.

BARKER.—On February 28, Mr. Charles Barker, 101 Mersbrook Park Road, Sheffield, formerly of Burnley, Lancs, aged seventy-one. Mr. Barker qualified as a chemist and druggist in 1897.

CLARKE.—Recently, Mr. Charles Henry Clarke, J.P., M.P.S., 19 Moor Street, Chepstow, aged eighty-five. Mr. Clarke was in business as a chemist in Chepstow for half a century. He took an active part in public affairs, and only recently retired from Chepstow town council. He was also musical director of the Chepstow Operatic Society and a Past Worshipful Master in Freemasonry. He is survived by two sons and a daughter.

CLELAND.—On March 8, Miss Marjorie Isobel Cleland, M.P.S., 100 Woodlands Avenue, Blake Hall Road, Wanstead, London, E.11. Miss Cleland qualified in 1916.

EVANS.—On February 14, Mr. Walter Evans, M.P.S., 50 Hough Lane, Tyldesley, nr. Manchester, formerly of Peel Green, Patricroft. Mr. Evans qualified in 1913.

FINKELSTEIN.—Recently, Mr. Leonard Finkelstein, Vita Factory for chemicals and pharmaceutical products, Petah-Tiqva, nr. Tel-Aviv, Palestine.

FINCH.—At the funeral of Mr. Clifford Charles Finch, M.P.S. (see *C. & D.*, March 16, p. 327), the Pharmaceutical Society was represented by Messrs. S. W. Stearn and F. W. Wiggin. Mr. F. H. Potter represented Grimwade, Ridley & Co., Ltd., Mrs. Russell-Cook, the Photographic Dealers' Association, and Mr. F. W. Hart (clerk), the Pharmaceutical Committee.

GALE.—On March 4, Mr. Joseph Gale, M.P.S., 678 Christchurch Road, Boscombe, Bournemouth, aged seventy-four.

HARRISON.—On March 13, Mr. Jeremiah Harrison, M.P.S., 25 King Street, Clitheroe, Lancs, aged eighty-five. Mr. Harrison was for many years in business in Castle Street. He had a long association with Clitheroe cricket club.

HILL.—Recently, Mr. William Alexan Hill, M.P.S., 4 Westbourne Grove, Lond W.2. Mr. Hill was registered in 1930 un Section 4 of the Poisons and Pharmacy A 1908.

LOWNSBROUGH.—On March 5, Mr. Rob Emanuel Lownsbrough, 35 Clifton Ro Maida Vale, London, W.9, aged sever two. Mr. Lownsbrough was at one t secretary of the Western (London) Phar cists' Association.

MARSHALL.—On February 26, Mr. C ence Victor Marshall, M.P.S., 21 Wate Place, Sunderland, aged fifty-three.

MARSHALL.—At Orsett Hospital, Gra Essex, on March 17, Mrs. Ethel M Marshall, widow of the late Mr. F. Marshall, M.P.S., Stanford-le-Hope, Es

PERKINS.—On January 12, Mr. Ph Perkins, M.P.S., 214 Devons Road, B London, E.3. Mr. Perkins qualified in 19

THOMPSON.—Recently, Mr. John Rob Thompson, M.P.S., The Vicarage, No Dalton, near Driffield, Yorks. Mr. Thom son qualified in 1896.

WILLIAMS.—Mr. Ronald Ewart Willia M.P.S., 1 Diamond Jubilee Terrace, Al tillery, Mon, aged thirty-five. Mr. Willi had been in business in Church Street s 1937. He is survived by a widow and children.

PERSONALITIES

MR. JAMES S. PRIOR, Ph.C., was retu for the Stamford No. 3 division in Kesteven, Lincs, County Council elect recently. He was the retiring member

MR. DAVID ANNIS, M.B.Ch.B., M.R.C L.R.C.P., son of Mr. Harold Annis, M. (Granville Wood & Co., Ltd.), Oldham, been elected a Fellow of the Royal Col of Surgeons, England.

MR. HAROLD JONES, M.P.S., The Al Pharmacy, Crowland, Peterborough, successful recently in the Holland (Li County Council elections in the Crow West division.

MR. VINCENT PUGH (managing dire V. Pugh & Son, Ltd.) has been ma Justice of the Peace for the City of W cester. Mr. Pugh was recently retu as a City Councillor.

MR. JOE STARR, Grantham, aged seve six, is thought by his employer, M Calvert, M.P.S., 45 High Street, to be oldest " errand boy " in the town. He already been in service with Hopkins Co., chemists, at the same address b Mr. Calvert took over.

BUSINESS CHANGES

Wm. Ransom and Son, Ltd., Hitchin, erts, state that their telephone number is itchin 1119-20.

Mr. R. A. Shimmin, M.P.S., 157 Lewes ad, Brighton, is shortly opening a branch Saltdean, Sussex..

Mr. G. L. Beet, Ph.C., has joined Hirst, ooke & Hirst, Ltd., Sheepscar Works, eds, 7, as production and works manager.

Mr. J. Turnbull, M.P.S., has acquired d in Drip Road, Stirling, for the purpose building a pharmacy.

Mr. J. W. Kemp, M.P.S., 76 Mauldeth ad, Withington, Manchester, 21, has en over a business at that address from . A. L. Walter, M.P.S.

Taylor, MacArthur, Ltd., has been opted as the new title of Donald Brooks o., Ltd., 271 Wakefield Road, Huddersd.

Mr. L. R. Chambers, sales manager of Lax, Ltd., Slough, Bucks, has rejoined company after being demobilised from Royal Air Force.

Miss E. F. Hayward (secretary, National ociation of Women Pharmacists) has oved to 29 Summerlee Gardens, East chley, London, N.2.

. J. Woolls, Ltd., chemists, reopened r branch at 272 Northdown Road, tonville, Margate, on March 18, under management of Mr. P. S. Martin, M.P.S.

r. T. Whelan is again representing ns Medical Supplies, Ltd., in North-east cashire, after serving with the 14th Army urma.

r. K. Bohemen (a director of Polak & warz (England), Ltd.) has resumed vities with the company after being obilised from the Netherlands Forces.

r. Don S. Momand (managing director, S. Momand, Ltd., and Dentesive, Ltd.) returned to service with the companies. a deputy commissioner he had been onsible for establishing Red Cross vities on the Continent.

he Plymouth Co-operative Society, , has recently purchased a portion of premises of the Blue Cap Hotel, ngton. Trading developments will ably include the provision of a phar- branch.

eutenant (A) F. C. Neve, R.N.V.R., arm., has joined the staff of John Bell, Hills & Lucas, Ltd., after seeing service as a pilot with the Air Branch of the Royal Navy in the Mediterranean and East Indies. Lieutenant Neve is a son of Mr. H. C. Neve, M.P.S.

Lieutenant-Colonel Dallas D. Dixon, M.B.E., has taken up his duties again as a director of Lysol, Ltd., and associated companies, Raynes Park, London, S.W.20. Colonel Dixon, who served on the General Staff of the United States Army, is one of few Americans honoured by being appointed a Member of the Order of the British Empire.

Clinical Products, Ltd., Richmond, Surrey, manufacturers of Menopax preparations, announce that, from April 1, S. Maw, Son & Sons, Ltd., Aldersgate House, New Barnet, Herts, will be the sole distributors of the company's Menopax preparations in Great Britain and Northern Ireland. Scott & Bowne, Ltd., London, E.C.2, are relinquishing the agency on March 31.

Major W. Hyde Hills, M.B.E., B.A., A.R.I.C., a son of Mr. J. Stuart Hills (managing director, John Bell, Hills & Lucas, Ltd.) has been appointed a director on rejoining the company after service with H.M. Forces. Major Hills, who was commissioned before the war in the Royal Artillery (Territorials), served in campaigns in Tunisia, Sicily, and Italy, and was later stationed in Greece.

COMPANY NEWS

Resus, Ltd. (P.C.).—Capital £100. Mineral water, fruit juice and soft drink manufacturers, etc. John Ingram, director. R.O. : 45 Hope Street, Glasgow.

Vigor Laboratories, Ltd. (P.C.).—Capital £2,000. Manufacturing chemists, etc. Jack and Lilian Bogush, directors. R.O. : 240 Earls Court Road, London, S.W.5.

Carter Chemist (Kenton), Ltd. (P.C.).—Capital £1,000. Wholesale or retail chemists, opticians, etc. William G. and Mrs. Lily Carter, directors. R.O. : 11 Gooseacre Parade, Kenton, Middlesex.

Pioneer Drug and Chemical Co., Ltd. (P.C.).—Capital £1,000. Chemists, drug merchants, sundriesmen, etc. Ernest I. Lee, Harry Green and Abraham Rudnick, directors. R.O. : Chicago Building, 13 Whitechapel, Liverpool.

TRADE NOTES

Fibre Boxes.—A large quantity of fibre boxes, size $6\frac{3}{4} \times 5\frac{1}{4} \times 4\frac{1}{4}$ in., is available for immediate delivery from Max Propp, Ltd., 120 Moorgate, London, E.C.2.

Price Correction.—Glaxo Laboratories, Ltd., Greenford, Middlesex, state that the price of Anethaine ointment quoted in their announcement on March 9 is tax-inclusive and not tax extra as there stated.

Nursery Preparations.—A strong demand, likely to bring repeat sales, is claimed by Septisol, Ltd., 207 Clarendon Road, Manchester, 16, for their nursery specialities, Septisol ointment and Septisol baby soap.

Correction to Advertisement.—Due to a printer's error, the advertisement of Elto (Chemists) Products, Ltd., 81-85 Oxford Street, Glasgow, C.5, incorrectly described the trade name of the company's Eltoband first-aid dressing.

After-'flu Tonic.—A tonic containing vitamins A, B_1 and D, glycerophosphates of calcium, iron, manganese and potassium, and strychnine, is available in bottles of 2 oz., 4 oz. and 8 oz. from Damancy & Co., Ltd., Harrow, Middlesex.

Available for Prompt Delivery.—Watford Chemical Co., Ltd., 30 Baker Street, London, W.1, offer Duprin brand glyceryl monostearate for prompt delivery. Samples, prices and technical details may be obtained from the makers on request.

Bath Degreasant.—A preparation to remove stains of all kinds with exceptional ease and speed has been introduced by Slip Products, Ltd., Ling House, Dominion Street, London, E.C.2, under the name Liquislip, which is issued in bottles of two sizes.

Beef Extract.—Wilson's extract of beef is available from the proprietors, Wilson Meats, Ltd., 91 Charterhouse Street, London, E.C.1, in tins of two sizes and in cartons containing eight jars. Prices and terms are given in the company's announcement.

Moth Cartridges.—Stated to be 300 times stronger than moth balls, the Era moth cartridges, which are available in 1-doz. packs of four, or as singles in display box, are available through wholesalers or direct from the manufacturers, Kay Brothers, Ltd., Stockport.

Oil-in-water Emulsifier.—Ambresil, Ltd., 31 East Parade, Harrogate, draw attention to the applications of Ambresil No. 4 in the preparation of oil-in-water emulsions, e.g. hair creams, vanishing creams, skin food etc. Full technical details may be obtain from the company.

Toilet Smallwares. — Gleim Produc Newbury, Berks, announce that they c supply from stock, for home and expo purposes, lipstick containers and refills, so containers, hair wavers, and a variety other items, a full list of which is given an announcement in this issue.

Bonus Offer.—March 31 is given as t latest date on which chemists may ta advantage of the bonus offer made Musterole Fine Products, Co., Ltd., Bro House, Park Lane, London, W.1, in resp of their speciality Musterole. From th date the offer will be discontinued.

Luxury Flapjack.—A new and attracti flapjack, turned from the solid metal and either gold or silver finish, has been int duced by Alfred Franks & Bartlett Co., Lt Audrey House, Ely Place, London, E.C who are the sole distributors. Exp inquiries should be sent to Hatton (Expo Ltd., at the same address.

Three Tonics.—Cheritone Co., Ltd., 1 Farringdon Road, London, E.C.1, dr attention to three tonics issued by t company: Melusino tonic wine for s exclusively by chemists who hold w licences, Cheritone tonic cup in two siz and Cheritone tonic tablets in three siz

Making Good the Fat Cut.—In order replace the loss resulting from the cut 1 oz. in the domestic fat ration, British Liver Oils (Hull and Grimsby), Ltd., H suggest that a teaspoonful of Sevenseas c liver oil should be taken daily. The oil the added advantage of ensuring gre vitamin-A and vitamin-D intake.

Reports Sought.—Charles F. Thack Ltd., 10 Park Street, Leeds, 1, sole distri tors of Esobactulin capsules for Sout Laboratories, Ltd., London, S.W.15, m a request to pharmacists to send in rep on their own and customers' experie with the capsules, and degrees of immu secured.

Sundries Service.—W. Sutton & (Druggist Sundries, London), Ltd., Ho shoe Lane, Enfield, Middlesex, offer chem a road service covering London and Southern counties, and a rail ser throughout Great Britain. The comp has a branch at Whitchurch, Hampsh and laboratories at Enfield.

Tonic for Children and Adults.—Made by modern homogenising process, Elixir itaminae, manufactured by C. J. Hewlett Son, Ltd., 35-43 Charlotte Road, London, .C.2, contains vitamins A and D, glycero-osphates, organic iron and calcium and aces of copper and manganese. The eparation is issued in amber bottles ntaining eight fluid ounces.

Fruit Bottling "Boom" Predicted.—oda, Ltd., Rawcliffe Bridge, Goole, Yorks, ggest that the present serious food position ll result in a considerable increase in fruit ttling in the coming summer months. ey recommend chemists to stock up now th Lexil fruit and jam preserver, which s the advantage that it may be used with-t caps, clips or special jars.

Belladonna Alkaloids Compound.—Rabel-a tablets containing hyoscyamine hydro-omide, atropine sulphate and scopolamine dromide are manufactured by Sharp & hme, Ltd., Hoddesdon, Herts, and ommended by the makers for use in the atment of parkinsonism and allied ditions. The preparations are available ottles of 100 and 1,000 tablets.

Fifty Million Sold Yearly.—Thompson & pper Wholesale, Ltd., 5A Speke Hall ad, Liverpool, 19, claim that over fifty lion Mothaks are manufactured and sold h year. The preparation is advertised sistently in over 100 newspapers and gazines. Show material is available, and makers point out that, selling at fixed es, Mothaks yield a good profit to lers.

ontrol of Fleas.—Gammexane, the new ish insecticide manufactured by Im-al Chemical Industries, Ltd., Nobel se, London, S.W.1, is issued in the form n insecticidal powder (Gammexane dust 4), which kills the adult flea and remains tive long enough to destroy the maggots ey emerge. The product is available in ted quantities in 56-lb. and 1-cwt. kets for repacking and sale by retailers.

echnical Booklets.—Ward, Blenkinsop o., Ltd., Brooklands, Halewood, Liver-, have recently published descriptive lets on sulphathiazole; W.B. dithranol siticide (less toxic than chrysarobin but iderably more active in the treatment oriasis, alopecia areata and mycoses); W.B. phenylmercuric nitrate (a power-actericide and fungicide of low tissue ity for wound disinfection and similar oses). Copies may be obtained from anufacturers.

Proprietary Articles Trade Association

Additions to Protected List.—*Coty (England), Ltd.*, Details on request to secretary of P.A.T.A.

R. Demuth, Ltd., Pomp (DDT/Geigy) dusting powder, full strength, 1s. 6d., 12s. doz. (exempt from tax); Pomp metal sprayers, 3s. 6d., 32s. doz. (exempt from tax).

John Freeman & Co., Ltd., Spa Nylon dental-plate brush, No. 75, 15s. doz., tax 5s. doz., inclusive retail price 2s. 6d.; Spa bristle tooth-brushes, 12s. 6d. doz., tax 4s. 2d. doz., i.r.p. 2s.

Glaxo Laboratories, Ltd., Details on request to secretary.

International Chemical Co., Ltd., Additional display and co-operation allowance to retailers in Great Britain: On orders of £3 and under £5, 5 per cent.

John Knox (Stoke-on-Trent), Ltd., Dr. Knox's rapid cold cure, 10s. doz., three-doz. lots, 9s. 6d. doz.; twelve-doz. lots, 9s. doz., tax 1s. 8d. doz., i.r.p. 1s. 6d. Dr. Knox's gripe mixture, 4 oz., 9s. doz., tax 1s. 6d. doz., i.r.p. 1s. 3d.; 8 oz., 2s. 0½d., 15s. 6d. doz., tax 2s. 7d. doz., i.r.p. 2s. 3d.; six-doz. lots less 5 per cent., cash with order.

Liqufruta Laboratory, Liqufruta Medica, 26s. doz., tax 4s. 6d. doz., i.r.p. 3s. 3d.

Riddell Products, Ltd., Details from secretary.

Alterations.—*Beltona, Ltd.*, Beltona brand lotion, ½-gall. size, 160s. doz., tax 26s. 8d. doz., i.r.p. 19s. 6d.

R. Demuth, Ltd., Bio-Kare medicated powder is re-named Sana powder; prices as before.

J. Grossmith & Son, Ltd., Old Cottage lavender talcum-powder, No. 73 F, 12s. doz., tax 12s. doz., i.r.p. 2s. 6d.; No. 73 X, 18s. doz., tax 18s. doz., i.r.p. 3s. 9d.

Phosferine Products, On and after April 1, the products of Phosferine (Ashton & Parsons), Ltd., will be distributed from St. Helens by Beechams Pills, Ltd. Present list prices of 10s. 10d., 26s. 10d., and 43s. 6d. doz. respectively will remain unchanged, but articles may be ordered with other Beecham goods on following terms: *Great Britain*, Cash discount of 2½ per cent. and additional 10 per cent. for window display and/or advertising service on: (*a*) composite orders for Beecham, Phyllosan and Phosferine lines to minimum value of £5; (*b*) separate orders for Beecham preparations or for Phosferine lines to minimum value of £2. *Northern Ireland, Eire and Channel Islands*, Above orders A and B subject to cash discount of 2½ per cent. and an additional 5 per cent. for window display and/or advertising service. On and after April 1, distribution in Northern Ireland, Eire and Channel Islands will be undertaken by the following: *Northern Ireland*, Beechams Pills, Ltd., St. Helens; *Eire*, Proprietaries (Eire), Ltd., 17-22 Parkgate Street, Dublin; *Channel Islands*, Alco Agencies, 2 Blenheim Avenue, Bagot, Jersey.

Southern Utilities, Ltd., 5 per cent. cash discount on £3 parcels withdrawn.

IRISH NEWS

Imports of Medicines into Eire.—Official figures relating to the imports of medicines into Eire during 1945 showed that they attained a value of £544,568, against £487,083 in 1944. Included in the total were medicines and medicinal preparations, £483,767, ointments and salves, £35,950, and druggists' wares, £24,851.

Associates' Dance at Derry.—In Londonderry recently the Derry Chemists' association held a well-attended annual dance. The organising committee, which consisted of Messrs. J. D. McCafferty (chairman), T. H. Hamilton (secretary), W. J. Taylor (treasurer), Miss A. Burns, Miss M. Healey, Messrs. J. Mann, A. Williamson, and D. Boggs. The M.C.s were Messrs. J. D. McCafferty, T. H. Lee and W. Donaldson.

Fermanagh Association Dinner.—The recently formed Fermanagh Chemists' Association, which has 100 per cent. membership in the county and in Fivemiletown, co. Tyrone, held its first annual dinner in Enniskillen on February 21. The president (Mr. W. S. Taylor) was in the chair. The company included the presidents of the Pharmaceutical Society of Northern Ireland (Mr. James McDowell), and Ulster Chemists' Association (Mr. T. A. Gibson, Ph.C.) and Mrs. Gibson, the secretary of the Ulster Chemists' Association (Mr. James McClenahan) and Mrs. McClenahan. Replying to the toast of his health, proposed by Mr. S. Gamble, Fivemiletown, Mr. Taylor spoke of the great changes in pharmacy since he served his apprenticeship in Enniskillen in the 'nineties. The toast "Managers, Assistants and Apprentices" was proposed by Mr. Ce Taylor, and replied to by Mr. Mullan, Ph. and Miss L. J. Headon (apprentic Mr. I. W. Parker, Ph.C., proposed "T Pharmaceutical Society of Northern Irela and the Ulster Chemists' Associatio to which Messrs. James McDowell a T. A. Gibson responded. "The Guest submitted by Mrs. I. S. K. Topping, replied to by Head Constable Poots.

Doctors as Guests at East Antrim.— the annual meeting of the East Ant Pharmacists' Association held at Larne February 25, local doctors and their wi were guests. Mr. Sandford (preside expressed the hope that the meeting wo be the forerunner of other similar functic After dinner an informative address given by Mr. Douglas Boyd (secreta Belfast Branch, British Medical Asso tion) on "The Origin and Development National Health Insurance schemes." Boyd reminded his hearers, that, under proposed National Health Service sche there was a danger of the present intim relationship between doctors and patie being lost. Discussion followed the addr Dr. Killen expressed thanks to the memb of the Association for their hospitality the medical men. Mr. H. McKay than Dr. Boyd for his address; Mr. W. S. H seconded. Mr. J. W. Sandford was elected *President* and Mr. McKay *V president*. The *Secretary* (Mr. E. A. Po was again appointed.

DUBLIN CHEMISTS' AND STUDENTS' DANCE.—Members of the committee responsible for organising a dance of Dublin pharmaceutical chemists and students at the Metropole Hotel, Dublin, recently, with some of their guests. Seated in the second row are Messrs. J. K. Whelehan (president, Pharmaceutical Society of Ireland), M. Costelloe (president, Irish Drug Association) and M. J. Hanna (chairman, dance committee). Also in the group are Mr. T. Gleeson and party, Mr. and Mrs. P. J. Leahy, Mr. D. Murphy, Mr. T. B. O'Sullivan and party, Mr. M. Nicell and party, Mr. D. O'Leary and party, Mr. P. Lalor and party, Mr. C. Collis and party.

OVERSEAS TRADE AND BRITISH PHARMACY

a meeting of the Liverpool Chemists' sociation on February 28, under the airmanship of Mr. W. J. Tristram, Mr. W. Adams (deputy secretary, Pharmatical Society) gave an address on Bretton Woods, the Loan and Pharmacy."

portance of Export Trade

Mr. Adams referred to the constant hinders of the importance of the export de to Britain. He gave figures for rseas debts and loss of export trade, rseas investments, shipping, and gold dollar reserves resulting from the ent war, and said it was estimated that orts from this country would have to ch 175 per cent. of the pre-war level to ore the pre-war standard of living. It now generally agreed that there must payment for exports by imports, a ble international monetary system, oval of restrictions on trade, maintance of world demand for goods (i.e., employment), wise overseas lending, international co-operation. The Bretton Woods agreement and the proposed erican loan to Britain were reflections his new outlook.

lication to Pharmacy

harmacy was a branch of economic vity involving a substantial quantity of ur and materials, and the manner in h they were used affected the economic lition of the country. Since the prods of pharmaceutical activity were rtable it had a two-fold contribution to e to the rehabilitation of the country—rect one (the increase of exports of maceutical products), and an indirect (improvement of the general level of ency). Manufacturing pharmacy, by ucing for home and export, could partiate in both ways. Among matters which a national policy should deal co-operation between firms, allocaof production, avoidance of duplication reparations whose formulas were not peutically distinct, concentration on est types of preparations, joint research ding market research at home and seas, standardisation of equipment limitation of public advertising, which responsible for sales of medicines nd the real needs of the public. Compl with developments on the manufacg side, the practice of pharmacy in had made little progress in technical ency in modern times. The pharmacy with one pharmacist who, with some assistance, carried out all the tasks of the pharmacy, was still typical. Pharmacies generally were not large enough for specialisation of work and limitation to their proper functions. Much of the work at present done by many pharmacists could be done by others without the training the pharmacist received. There was scope for substantial economies in the standardisation and large-scale purchase of equipment. If the technical efficiency of pharmacy were improved as a contribution to national economic restoration it would be found that the changes would be beneficial to pharmacy.

Discussion

Mr. W. J. Tristram referred to the action of America in refusing to accept imports as the main cause of the world slump. He thought this country could not compete with other countries on mass production lines and that its future lay in producing quality goods. He was certain a lot of pharmacists found shop work attractive and that the small shop was the best.

Mr. G. A. Dalrymple said there was a demand for more leisure and less work but it would be necessary to work harder in the future to pay the country's debts. The pharmaceutical industry was in the main efficient. There were limits to the efficiency produced by concentration.

Mr. J. L. Hirst said people were tired of the constant doses of austerity and in the midst of their troubles they were to have an entirely new health insurance Act. The provision of medicines through private pharmacies had worked well but was not now thought good enough.

Dr. Stuckey mentioned the tendency towards monopoly which would result from concentration. From the research point of view, concentration was desirable.

Mr. Murray said that whatever name was used for the proposals put forward the result would be nationalised pharmacy.

Mr. G. L. Clubb, proposing a vote of thanks, appreciated the stimulus to thought the address had been to him, but said he was an unrepentant private pharmacist. In addition to dispensing he did many things in and about his shop and was happy to do so. This might involve what had been called a waste of professional time, but he certainly benefited as it led him to take a closer interest in the public he served. Mr. Lewis seconded the motion.

PROFESSOR TODD ON ACADEMIC CHANGES

SPEAKING at a meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society on March 13, PROFESSOR J. P. TODD (chair of pharmacy, Royal Technical College, Glasgow) described certain changes as being necessary in the present layout of pharmacy if the profession were to hold its own. He suggested alterations in the course of study and in the system of apprenticeship.

Pharmacists, said Professor Todd, were reaching a stage where professional skill was being replaced by the ability to relabel proprietaries of which they knew little or nothing. It needed no skill to be a labeller! They should not accept such a situation calmly, but should strive to retain the position to which they were entitled and which they were tending to lose as the dispensers of the nation's medicines. Under the new Health Services they might manage to retain a place as suppliers of the nation's medicaments, but that also might call for little real skill and might be rewarded by small remuneration. Modern medicine had become complex, and there was room for a new outlook in pharmacy. The pharmacist should have knowledge and training possessed by no others, and should become an indispensable and important part of the new medical services. He should know the nature and properties of medicines, and be able to advise the medical man who had no time to acquire the knowledge in addition to his ordinary training.

Qualification in Need of Revision

The chemist and druggist qualification, he went on, needed revision. To fit modern conditions, some of the subjects should be extended or modified, and some pruned. It was obvious that there was a danger in handling proprietaries of which they did not know the structure, action or uses, and the present period of training permitted no time for imparting instruction on these matters. Some of the present training time was spent on aspects of pharmacy that were of little use to the man in the shop, apart from their value in habit-forming and discipline. Other and important subjects were missing. Pharmacology was of paramount importance. To understand it, physiology and more pharmaceutical chemistry were necessary. Bacteriology was of increasing importance, and more attention would have to be devoted to its study. The subjects that he would suggest for a new chemist and druggist examination would be pharmacy and bacteriology, pharmac tical chemistry, modified and enlarg pharmacognosy, reduced, physiology, a pharmacology. To cover these subjects additional year would require to be sp in training for the qualifying examinati It would be possible, with three yea academic training, to give every per who so desired a B.Sc. degree. This wo give status to the profession and with would go the right to expect commensur remuneration. As an educationalist hoped to see that goal reached in the too distant future. The present time sp was not adequate to cover today's subj matter.

Higher Qualifications

The Pharmaceutical Chemist qualificat had been the higher one for many gene tions, and must be kept alive. To fin corresponding higher qualification on degree side, the student of promise co continue his studies for an additional y and obtain an Honours B.Sc. degree. so doing he would be entitled to manu turing and hospital posts, and could qua for research work in the preparation, acti properties and uses of drugs. It was possible to study all the subjects on a h plane and his proposal was to group subj into chemical, bacteriological and phar cological, all to be taken with the m subject of pharmacy. Thus a candidat the pharmacological group would cease study of pharmacognosy and pharmaceut chemistry at the end of the third year would take pharmacy with pharmacol and bacteriology for a whole year. O combinations of subjects, always pharmacy, could be taken in the fo year. A chemically minded student c specialise in pharmacy with pharmaceut chemistry, and so on. Honours woul granted in the chief subject (pharmacy each case.

Apprenticeship

PROFESSOR TODD said that the app ticeship question needed careful consid tion and firm handling. They had remember that they were the guardian the future and should consider apprent ship from that angle rather than with eye to the immediate profit of the individ He was not foolish enough to believe any scheme would succeed that called too much effort on the part of the empl An apprenticeship scheme had to

antages to both employer and apprentice. h the advent of higher education, and the likelihood of compulsory military ice, it was foolish to speak of four to e years spent in apprenticeship. It had difficult enough to get apprentices in past. At present there was a dearth of n in Glasgow and, with the increased mitments of youth, the position would me even more difficult. Apprenticeship ld be retained, but the present system ified; it should be worked on the ndwich" system (winters spent at es and summers in shop or hospital). had a working arrangement of that kind eration whereby the students who came the technical college for classes in ember spent the summer obtaining tical experience. Thirdly, apprentices ld go straight from school to classes. longer one was away from school the difficult it was to assimilate knowledge. r three years, a year should be spent op or hospital as a full-time apprentice. lly, the onus of training apprentices ld be removed from the employer who d, however, allow the apprentices to something of the daily round of the , which was of great value. Generally king, the employer was not properly oped to teach pharmacy.

ematics in Syllabus

. Jack said that a knowledge of ematics, in the view of many students, necessary. Professor Todd agreed, said that they had to get students to mathematics at evening classes. It not easy to get universities to alter time-tables, but they would get ematics in as a subject in time.

. Colin Campbell asked how a phar- st today could afford to become wholly ssional in view of the wage rates iling. In his view the chemist and gist of 1890 had been as good as those qualified today. He would like to what information they could give to ts as to the future income of young e entering pharmacy.

er-qualified Men in Retail

ofessor Todd replied that, if they o rely entirely on the professional side, of them could make a decent living. of the men with B.Sc. qualification one into medicine, but some had gone retail pharmacy and were trying to its professional standards. They had sonable livelihood and kept high-class macies.

Mr. McCrone, Coatbridge, said that, in the last fifteen or twenty years, there had been a great advance in pharmacy, and yet a two-years' apprenticeship was still regarded as sufficient. Employers should do more than merely give apprentices the run of the shop. It was possible that, in the scheme offered by Professor Todd, apprentices might suffer from lack of continuity.

BRITISH-MADE LABORATORY CHEMICALS

The allocation by the Government to The British Drug Houses, Ltd., of the British Power Boat Co.'s factory at Poole, Dorset, was announced recently (*C. & D.*, March 9, p. 289). During the war the factory was used for the construction of light coastal craft. It is now to be adapted by the B.D.H. to the manufacture of chemicals for laboratory and research use in the home and export markets. It is understood that the company proposes to transfer the whole of its laboratory chemical section to Poole to operate as a separate unit. Within a relatively short time the present production of pure chemicals for scientific purposes is expected to be greatly increased.

Opportunities for British Goods

The German laboratory chemical industry has been virtually destroyed, and there is at present a serious shortage throughout the world of pure chemicals for laboratory and research work. Research institutions, universities, technical schools, and industrial concerns throughout Europe and elsewhere are anxiously waiting for supplies. In Great Britain itself, chemicals which are essential for applied scientific control in the development of a number of industries are not readily available in adequate quantities. It is thus imperative that there should be an immediate expansion in the production of laboratory chemicals, and that Great Britain should build on a sound foundation an industry in which considerable scientific prestige has already been won. Plans are therefore being made for the transfer of a number of key personnel on the B.D.H. staff from London to Poole, but local labour will be largely employed. Provision will be made for employees at Poole to participate in the amenities and benefits enjoyed by their colleagues in London (pension and life-assurance scheme; comprehensive syllabus of training for adults and juveniles; welfare, recreational, and canteen facilities).

STERILISATION IN DISPENSING PRACTICE

When the retail pharmacist considers what new or increased demands will be made upon his dispensing department as a result of the introduction of a national health service, he instinctively turns his thoughts to sterilisation. The 1914 B.P., upon which the majority of proprietor pharmacists were trained, certainly did contain five injections, and it is true that these were of small volume for hypodermic use, and that the water was required to be distilled and recently boiled; but how different are the varieties and standards demanded today!

Sterilised water was not even given a monograph. It must be admitted that so far as retail pharmacy is concerned the intervening years have not produced a large demand for this type of dispensing or no doubt the craftsmanship of the pharmacist would have kept pace with the advance in knowledge. The routine preparation of sterile products has in the main been confined to the hospital dispensary and the manufacturing chemist. Doctors have relied upon hypodermic tablets in their general practice and the lack of facilities in so many dispensaries cannot have encouraged them to give this work to the pharmacist. It is possible that under the new health service system this demand would materially increase. Moreover, because of the urgency attached to an injection solution the pharmacist cannot readily pass his order on to the manufacturing chemist; he must be prepared to say "yes" or "no" to the doctor.

More Single Drugs Prescribed

Among the changes in dispensing practice is that due to a greatly increased prescribing of single drugs, the majority of which are put up in injection and tablet form, e.g., vitamins, œstrogens, hormones. Often because of the complex nature of these drugs their compounding, except for labelling, has largely passed out of the hands of the retail pharmacist. The supply of injections should promote a greater contact with the doctor who has to administer them. The economics of the supply of sterile solutions to doctors and nursing homes has often been a deciding factor against their preparation in the pharmacy. Manufacturing chemists have taken advantage of this and have developed a service and specialised containers. It would appear, therefore, that not every retail pharmacy could be expected to undertake sterilisation, and for such sh the suggestion put forward at last ye Conference that area pharmacies might established and run jointly by a group pharmacists, offers considerable possibilit There should be no doubt in the mind pharmacists that health centre dispensa will be equipped for the preparation sterile solutions. For the purpose of t article only those methods which the re pharmacist can conveniently employ be discussed. It is assumed that pharmacist possesses the B.P. Adde and B.P.C. supplement, Part III, for th are indispensable for reference.

Heating in an Autoclave

This is the safest method to apply solutions of drugs which are not decompo at a temperature of 115°C. for thi minutes, e.g., calcium chloride, dext saline, sodium citrate, strychnine hyc chloride, etc. In his choice of an au clave the pharmacist will be guided by amount of work expected, space availa and initial cost. The writer has had use for ten years an original Sankey mo which, except for replacement of washers, has not been out of commissi The newer model which has come on to market since the war will fill all the requ ments for small-scale work. It posse certain improved features, such as screw-down lid with recessed washer, a a thermostatic gas control. The la provides an accurate and direct meas ment of temperature which is a crite of sterilisation. In most autoclaves t perature control is obtained by means pressure gauge which only indicates correct corresponding temperature when air is completely removed from the inter i.e., when the autoclave is filled w saturated steam. It will be appar therefore that with the older models st must be allowed to issue freely for ab five minutes before the steam cock closed; but with the new Sankey it unnecessary to blow air out and heat can commence with the autoclave clos It is, of course, important to ensure t sufficient water is present to give satura conditions. In all cases there is a time between the attainment by the ga thermometer of 115°C. and the time ta for the contents of the containers to re the same temperature. This has b recognised since the B.P., 1932, laid do that "when the volume in each contai

eeds 100 mils the containers are exposed a longer time sufficient to ensure that whole of the solution in each container maintained at the temperature of 115-5°C. for thirty minutes." Recent work shown that this time-lag using a Sankey oclave varies from six to fifteen minutes h 2-oz. or 4-oz. containers, and is ut twenty minutes for 20-oz. bottles, ending upon the number of such tainers.

t is advisable, however, for the pharma- to check these figures with his own aratus. Heating in an autoclave is ost invariably the method used for avenous injections and for sterilised er. The solution is autoclaved only n in its final container, which may be ampoule, a screw-capped bottle, or a gged flask. A flask will not usually mployed in retail practice because of the culty of transport, but should flasks equired it must be remembered that the -absorbent wool plug will be damp and uld be covered with cellophane or er suitable substance. Also, in order eep as low as possible the concentration he contents of a flask, the water in the oclave must be heated up first, and after sterilisation period the stopcock ed when the gauge has fallen to zero not left indefinitely.

tions for Intravenous Injection

hese may be small volumes—1 to 5 —of potent drugs, e.g., nikethamide, um morrhuate, strychnine; or large mes—500 mils upward—of isotonic tions. The latter are employed for inuous intravenous infusion and it will ppreciated that the greatest care must iven to the cleaning of containers and aratus, and to the absence of foreign icles in the solution. In this respect pharmacist might make a much greater of sintered glass funnels; a porosity 3 is generally suitable, with size and e depending upon requirements.

trose

he tendency for dextrose solutions to en in colour (caramelise) when heated be reduced by using the best quality der and neutral glass containers and removing from the autoclave as soon ssible when normal pressure is reached. e pharmacists use a pressure of 5 lb. longer period. The presence of alkali lly accelerates this change so that he case of liq. sod. cit. c. dextros., , the chemicals are autoclaved separately and mixed at the time of use. It is not now the practice to buffer these large-volume intervenous solutions as it is found that the buffering mechanism of the blood is adequate.

Sodium Citrate

A strength of 3.8 per cent. is the most popular anticoagulant used in blood transfusion, usually in volumes of about 100 mils, of which 10 mils is used to each 90 mils of blood, some being used to wash out the transfusion needles, etc. Slight variations in the strength of the solution may be required, e.g., liq. sod. cit. anticoag., B.P., is a 2½ per cent. solution in normal saline and liq. sod. cit. c. dextros., B.P., contains 3 per cent. of each salt. Solutions of sodium citrate increase in alkalinity during heating from about *p*H 7.8 to *p*H 9.2, which is sufficient to attack the glass of some containers, causing flaking. Therefore, a good quality resistance glass is indicated. It has been found that flasks are often unsatisfactory in this respect while Clinbritic bottles stood up well. If the container used permits the withdrawal of successive doses on different occasions, the B.P. requires the addition of a bacteriostatic agent. However, as it is known that sodium citrate solution for a blood transfusion will only be used on a single occasion, a preservative is undesirable whatever form of container is supplied. A label to this effect might be used.

Solutions of normal saline, sodium sulphate 4.285 per cent., Ringer's, and dextrose-saline should present no further difficulty. It is usual to put intravenous injections into single-dose containers. The ampoule is the only suitable pack for the small dose and as the number required to fill a particular prescription is usually small, a sterile syringe and needle would be used. For larger numbers of ampoules the apparatus devised by Professor Berry has been found suitable. This is a combined filtration and filling unit, the whole of which may be wrapped in gauze tissue and sterilised in the autoclave. The filled ampoules, containing a slight excess of solution, are sealed in a micro-burner and autoclaved in a container of coloured water in order to show any leakage on cooling. (*To be concluded*)

German Technical Aid to Japanese.—I.G. Farbenindustrie A.C. is reported to have limited technical assistance to the Japanese on synthetic oils to the Schloven plant and its operation.

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. CXLV MARCH 23, 1946 NO. 3450

Portrait Gallery

introduce in this issue the first of a series ortraits of the chief officials of pharmaical and drug trade organisations (p. 371). portraits, one of which will be reproed each week in alphabetical order of ame, have been specially drawn for CHEMIST AND DRUGGIST by a wellwn artist. We believe this somewhat sual feature will be received in all ters with pleasure and interest. Paper rol regulations preclude the use of a ity of paper appropriate to the purpose, at a later date we propose to arrange he portraits to be reproduced on fine paper, as we feel many readers would to obtain the complete set in this form.

e valuable service rendered by national nisations representing the various sec of pharmacy and the drug trade is gnised by all concerned. During the years their activities were developed to uch wider extent to aid the national t. Advice and information from these oritative sources, always readily forthng, enabled the Government to make best possible use of our industrial, scienand commercial strength in the prosen of the war. Similarly, today, these sentative bodies are performing an lly valuable national service in the postreorganisation and development of the try's industrial resources. This vast nt of work of an exceptional character hrown a heavy responsibility on the ders of the chief officials concerned. The successful performance of their many and varied duties has called for the utmost tact, expert knowledge, untiring energy and high degree of organising and negotiating ability.

We wish to express our thanks to the officials concerned for their co-operation in the preparation of the portraits and we have pleasure in publishing these specially prepared reproductions as a tribute to their valuable contributions to the nation's great efforts in times both of stress and of peace.

Views on Nationalisation

ON page 363 of this issue we publish a report of a meeting of the Liverpool Chemists' Association at which an address, followed by a discussion, was given by Mr. F. W. Adams (deputy secretary of the Pharmaceutical Society) under the title "Bretton Woods, the Loan and Pharmacy." Little objection can be raised to the first two-thirds of Mr. Adam's address as reported, though, for our part, we prefer that monetary subjects should be dealt with from Queen Square rather than from Bloomsbury Square. Much of what was said at Liverpool on national finance has been said or written elsewhere, and is a matter of general agreement.

But in his application to pharmacy of certain considerations arising from the Bretton Woods scheme and the proposed American loan, Mr. Adams is certain to encounter sharp disagreement. If we assume that a theory had to be expounded his method of approaching this part of his subject was logical enough. A national policy was needed for each industry, he said, with the aim of using its resources to the best advantage. Turning to pharmacy, he claimed that its contribution to national rehabilitation was twofold—an increase in exports and an improvement of "the general level of efficiency." Taking the manufacturing side of industry first, the speaker instanced as desirable towards this end :—

> "Co-operation between firms, allocation of production, avoidance of duplication of preparations whose formulas were not therapeutically distinct, concentration on the best types of preparations, joint research, including market research at home and over-

seas, standardisation of equipment and limitation of public advertising, which was responsible for sales of medicines beyond the real needs of the public."

Some of these aids to industrial recovery are already in operation; others need scrutiny. Any manufacturer experienced in export trade can no doubt enlighten Mr. Adams on the subject of so-called duplication of preparations. Why does one product have a success in some foreign market while another, "not therapeutically distinct," fails there but succeeds elsewhere? Even an expert in marketing would hesitate to decide in advance which of the two would be the winner; various factors are at work in such cases.

Paradox and Platitude

After these suggestions on manufacturing, Mr. Adams devoted the concluding part of his address to the practice of pharmacy in shops. With a nice taste for paradox he held that "pharmacies generally were not large enough for specialisation of work and limitation to their proper functions." Taking this statement at its face value, it would seem that the larger the pharmacy, the more limited the type or types of work that may be done in it. After paradox came platitude. We read: "If the technical efficiency of pharmacy were improved as a contribution to national economic restoration it would be found that the changes would be beneficial to pharmacy." It seems hardly worth while making the journey from London to Liverpool in order to impart that news to an audience. The report of the meeting shows that the speeches which followed the address were for the most part critical in tone. A councillor of the Society said he was certain that the small shop was the best; and the member who proposed a vote of thanks claimed that the private pharmacy gave a personal service which would not be obtainable with state pharmacy.

Extent of Council Responsibility

This address raises the question of the extent of the Council's responsibility for it. When Sir William Glyn-Jones was secretary of the Society, he was occasionally put forward as the mouthpiece of the Council. Knowledge of his distinguished services to pharmacy rendered this cedure acceptable in the main, th with doubts of its propriety; it is that so personal a rôle should not be pa on as if it were part of the headqua office equipment. Are we to infer th the present case the Council is spea through its deputy secretary? "The tection of those who carry on the bus of chemists and druggists" remains o the objects of the Charter; but wh protection involved complete regim tion? That, whether under direct from Whitehall or under the sway corporation set up by the Legislatur the specific purpose, would mean the of private enterprise for retail chemis the sense of the term in which it present understood.

Bomb-damage Repair Procedu

Inquiries reaching the War Damage mission from all classes of owners of damaged buildings disclose a widesp impression that the Commission is res sible for the actual ordering and car out of the work of repair or rebuilding. Commission desires to make it clear this is not correct. Its function is to the reasonable charges for repairing dam buildings and for the rebuilding of destroyed which are entitled to cos works. But in cases both of repai rebuilding, where the work has not undertaken by a local authority, the res sibility for making all the necessary arr ments for restoration—employment architect, builder, etc.—rests solely the owner.

Facilities Provided

Complete facilities have, however, provided by the Commission for owne consult its Regional Offices on the spec tion and form of contract where a pro is to be rebuilt as a cost of works case, for the solution of any reasonable d whether some or all of any repairs pro to be carried out are of a nature tha Commission would pay for. In cases w a local authority has partially repai war-damaged property, the owner sh himself arrange for the remainder o work to be done and claim against Commission for its proper cost.

CHIEF OFFICIALS OF DRUG AND PHARMACEUTICAL ORGANISATIONS

Mr. E. J. ANDREWS
General Secretary, Photographic Dealers' Association

No. 1. Specially drawn from life for The Chemist and Druggist

PHARMACEUTICAL SOCIETY OF IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held in Dublin on March 12, Mr. J. K. Whelehan (president) in the chair. Other members of the Council present were Messrs. P. A. Brady, P. C. Cahill, G. C. O'Neill, T. C. Scott, N. A. McKane, F. X. Meagher, M. Costelloe, C. J. Cremen, P. F. McGrath, P. Brooke-Kelly, J. P. Kissane, M. Power, T. B. O'Sullivan, P. Fullam, H. P. Corrigan, R. Daly, J. Gleeson, and J. A. O'Rourke.

THE PRESIDENT paid tribute to the memory of Cardinal Glennon. He believed pharmacists throughout the country would like them to express the Society's grief. A motion of sympathy was adopted in silence.

Letters were read from Mrs. Cunningham and Lady Robinson expressing their thanks to the Council for votes of sympathy.

Sergeant B. A. O'Kane wrote forwarding his Army papers and Northern Ireland certificate, and asking permission to sit for the Licence examination of the Society. On the motion of THE PRESIDENT, seconded by THE VICE-PRESIDENT, it was agreed to admit him to the examination.

Registration and Membership

Mrs. Angela Mara, L.P.S.I. (née Flattery), who submitted marriage certificate, was granted change of name in the register. The following changes of address were notified : Mr. V. Boyd, M.P.S.I., to Riverstown, co. Sligo ; Mr. F. Crowley, M.P.S.I., to 3 Finbar Park, Glasheen Road, Cork ; Mr. J. J. Dalton, M.P.S.I., to 183 Lower Kimmage Road, Dublin ; Mr. E. J. Fehily, M.P.S.I., to Glencarbery, Ballineen, co. Cork ; Mr. A. W. Hendy, M.P.S.I., to 31 The Rise, Mount Merrion Park, Blackrock, co. Dublin ; Mr. J. A. Kissane, M.P.S.I., to William Street West, Galway ; Miss M. B. Lyons, M.P.S.I., to 38b South Richmond Street, Dublin ; Mr. T. R. Miller, M.P.S.I., to 21 Wexford Street, Dublin ; Mr. R. I. Eccles, L.P.S.I., to Athy, William Street, Upper Fern Tree Gully, Victoria, Australia ; Mrs. A. Mara, L.P.S.I. (née Flattery), to Clonkeen Road, Dean's Grange, co. Dublin ; Mr. M. D. McDonagh, L.P.S.I., to Kilcormac, Offaly.

The following who submitted certificates were granted Preliminary registration : John J. Cleary, James F. O'Connell, Patrick J. Cuddihy, Patrick B. Murphy, Eamon Rodgers, and Patrick A. Barry. THE REGISTRAR (Mr. J. J. Kerr) reported on the death of Mrs. Mary Daly (née Barry), Assistant.

The Licence certificates of the follow were signed and sealed : Michael J. Dua James Mellerick, Patrick McGee, Han O'Keefe, and Michael G. Whelan. following were elected members of Society : Miss I. R. Manley, Messrs. J. Dawson, F. J. Gaffney, E. J. Hayes, T. Houlihan, and R. G. Huston. The follow were nominated for membership or associate druggists : Messrs. M. D. M Donagh, Kilcormac, Offaly ; T. Mock Patrick Street, Templemore, co. Tippera D. G. O'Dea, 112 Upper George's Str Dun Laoghaire. As associate druggis Messrs. P. Brennan, Arva, co. Cavan, H. Gunn, Ballivor, co. Meath ; Mrs. Conaty, Mullagh, Kells, co. Meath ; Mes William Batty, 23 Whitworth Road, Dr condra ; Peter Dowling, Edenderry ; Pat F. Whelan, 8 Terenure Road, Rath Dublin ; Edward W. Lane, 17 Cumberl Street, Dun Laoghaire ; Thomas Gil 57 Upper Dorset Street, Dublin ; M. O'Callaghan, 60 Brighton Road, Rath Dublin ; Patrick McMahon, P.C., Kildys co. Clare ; William W. Williams, 30 Nep Road, Navan Road, Dublin ; George Hely, Cappoquin, co. Waterford ; Tho H. Walshe, Crossmolina, co. Mayo ; Patrick J. Mallon, 6 Slieve Bloom R Drimnagh, Dublin.

THE REGISTRAR reported to the Cou that Eire was one of several States that agreed, under the Geneva Convention have pethidine hydrochloride placed u Dangerous Drug Act regulations.

Ex-Forces Entrants to Examination

MR. P. C. CAHILL moved an adjou notice of motion standing in his nam the effect that a candidate for the Lic examination who had completed three y full time service in the Defence Forces to January 1, 1946, might, if he so desi take the examination in two parts as lows : 1, botany, materia medica, chemistry ; 2, pharmacy. Mr. Cahill there seemed to be some misunderstan over the matter and a number of licenti seemed to think they were granting who served in the Army elaborate con sions. In fact they were merely allo such candidates to take the examina in two parts. No concession was give the matter of marks, and there was financial concession or lowering of standard of the examination. Some pe thought there was a danger that a man m qualify under the two-part examina

had no experience of practical phar-, but he had made inquiry and found none of the likely applicants would less than four years' practical experi-; several had five, six, and in one case years' experience. The number ved was low and was estimated to be nore than twelve or fourteen. Some ose concerned had completed their nticeships before going into the Army. E REGISTRAR said that, of the number ved in the Army, eleven were registered g their apprenticeships, and five had leted their apprenticeships.

Stu nts' Reaction

. MEAGHER said he was not enamoured e motion. He had discussed the r with a number of licentiates and nts, and found that it was not popular. was a great deal to be said in favour ing concessions to those who volun- joined the Defence Forces in time of ency. He, personally, saw the wisdom ghteousness of giving some concession, e did not know whether the suggested ssion was ideal. Students who might been prevented for valid reasons from g the Defence Forces were placed at dvantage. At least 33⅓ per cent. of ial candidates could not benefit by otion, for the reason that they were n. As members of the Council they nuch in the position of directors of a ny, who had the solemn duty of that the share capital was not d down. They presented their ates with something of capital value they made them licentiates, and for eason they should treat everybody me, so far as humanly possible. He t the motion cut across that obliga- They should give some advantage n who had served in the Defence , but it should be given by way of ctures or allowing them to sit for the nation without paying any fee. So the standard of the examination was ned he felt they should not vary it. was no time limit in the motion, so en might be sitting for examination its terms ten or fifteen years after it passed. The concession proposed ed against people in pharmacy who the Local Defence Force or Local y Force. Those in the full-time , he understood, were given facilities, e apprentice in the L.D.F. was given n opportunity.

J. F. MCGRATH did not agree with ew put forward by Mr. Meagher. He felt they were giving the men a very small concession indeed. The man who passed under it had to qualify in the same way as all other candidates. Students who had spent the past five years in pharmacy were in a different position in going up for the examination from men who had sacrificed five years to their country, who might have had concessions as to lectures and study, but at the same time were out of touch with pharmacy and business.

MR. P. FULLAM was not in favour of the resolution, which did not give much of a concession, and would be setting up a precedent. They must remember that quite a lot of men gave valuable service in the voluntary services. The motion might lead to an application to have the examination divided into two, and the question was whether they were prepared to consider that.

Practical Experience Desirable

MR. P. A. BRADY said that the aspect of the matter that struck him was whether the people to whom the motion applied would have had sufficient practical experience of pharmacy. The mere fact that they would be allowed to do the examination in two parts, instead of all at one time, was not, in his view, detrimental, but there should be some stipulation that they should do six months' work behind the counter to get practical experience. MR. C. J. CREMEN said that, from the figures given, only a small number was involved. The problem was not really one of a serious nature.

MR. J. GLEESON said he was in sympathy with Mr. Cahill's motion, but in practice the motion made the examination easier. To that extent it was a lowering of the standard. MR. R. DALY said that, if it were made clear that the standard of the examination would not be lowered, he would be in favour of it.

MR. N. A. MCKANE observed that the main thing was to turn out good pharmacists. He would be in favour of splitting the Licence examination in two, and raising its standard. MR. M. POWER thought they were drifting into a position in which they were dividing students into those who had joined the voluntary services and those who had gone into the regular army. He did not think it would be fair to have a separate examination for one class and not for the other. There was no concession whatever for women.

MR. O'ROURKE : I am in favour of the general principle but it needs further consideration.

Mr. Cahill pointed out that the object behind his motion was to compensate those who gave their full time to the Army. As Mr. McGrath had mentioned, those in the part-time services did not lose touch with pharmacy in the same way. He had discussed this matter with some students and they approved of the concession; some thought it did not go far enough. Dividing the examination into two made it easier for the students concerned, but did not mean they were turning out worse pharmacists. He agreed that they should stipulate a date on which the concession would end.

Mr. Costelloe said he was not terribly in favour of the motion, notwithstanding the feeling that something should be done for those who gave full-time service in the Army. If they could do something like referring the Army men in two subjects he would prefer it. Mr. Scott was entirely in favour of the motion. It only affected about six people and they had already spent two hours discussing it.

The motion, which was seconded by Mr. J. F. McGrath, was then agreed in the following terms :—

> That the following Regulation be added to the Regulations for Licence Examination, pages 70–81 of the Book of Acts and Regulations : A candidate for the Licence examination who has completed three years' full time service in the Defence Forces between September 1, 1939, and January 1, 1946, may, if he so desires, take the examination in two parts, as follows : 1, Botany, materia medica and chemistry ; 2, pharmacy. In Section 1, the minimum pass percentage shall be 40 in each subject, and in each subsection thereof, and the candidate, in order to pass, must make a total of 55 per cent. In Section 2, the minimum pass percentage in each subsection shall be 50, and the candidate, in order to pass, must make a total of 55 per cent. The examination fee for each Section shall be £2 12s. 6d. The Regulation will expire on December 31, 1950. That the Seal of the Society be affixed hereto.

Messrs. T. R. Bourke and J. K. Carvill were unanimously re-elected examiners to the Assistants' examination for the year ending March 1, 1947.

Co-opted Member

The President, in proposing the co-option of Mr. John D. Blair, Cork, in place of the late Sir Thomas Robinson, and Mr. Frank Loughman, T.D., in place of Mr. W. G. Cunningham, said that in putting forward those names he was influenced in nominating persons who represented as closely as possible the general interests and viewpoint of the persons they replaced. Mr. Cunningham represented the n- pounders' Association. Mr. Loughmar as a compounder in Clonmel, and was a a member of the Dail. He was an a ve member of the Drug Association in p- perary, and would be of great help t he Council if adopted. To replace Sir Th as he felt they wanted to get someone st ed in the tradition of pharmacy. They ld not make a better choice than Mr. ir, Cork, whose father was a past-preside of the Society.

Mr. P. A. Brady, seconding, felt at the names proposed were a wise ce.

Mr. Daly said the co-option of Mr. ir would be a matter of deep gratificati to Cork chemists. Mr. Blair was one o he leading chemists in the city and a st able man. Mr. Kissane said it would ve him great pleasure to see a fellow co ty man selected.—The motion was p ed unanimously.

Deputation to Minister

At the conclusion of the business o he agenda the President said he wish to make a statement on the work of the nt Committee of the Society and Irish ug Association in connexion with the I lic Health Bill before the Dail, in so far it affected pharmaceutical interests. A m o- randum, he said, had been submitted c he various Sections, and particularly Se ns 89 and 90, setting out their bearir on pharmacy. Both the President an R. Costelloe paid tribute to the great rk put into the framing of the memora m by the representatives of both bodi A deputation had been received by he Minister at Leinster House on Februa o, and a lengthy discussion had taken ce. As a result, members were satisfied at the Minister was now fully aware c he views of official pharmacy, with whi it was felt, he was sympathetic.

Synthetic Vitamin A.—Biologically- ve synthetic vitamin A is claimed to have en secretly developed in the United S es during the war, according to Dr. N. A. as, of the Massachusetts Institute of ch- nology. Of a variety of processes on ch experiments were carried out, the st successful required a seven- or eight ge procedure and resulted in an over-all ld of 10 to 15 per cent. At its present ge of development, the synthetic prod is said to have a potency of one-ten to one-thirtieth of the natural vitam A, though from fifty to one hundred time at of ordinary cod-liver oil.

P.A.T.A. JUBILEE—TRADE TRIBUTES

following abstracts have been taken from messages received from retailers, wholesalers and manufacturers on the occasion of the Jubilee of the P.A.T.A.

RETAILERS

C. Cornwell, Ltd., Hanley.—On prin- I have always been a supporter of P.A.T.A. which, as a voluntary organi- n, has stood the test of fifty years and ill going strongly. From a business of view it has taken commercial competition from a large range of nodities and is most useful in selective ng. From a pharmacist's viewpoint, th the moving times it fosters the dis- tion of proprietary medicines through maceutical channels, insists on a ard up to the claims made for the rations it accepts and enforces its clauses, it can look forward to a very ny centenary.—*H. C. Shaw.*

Cromack, Manchester.—Hearty con- lations to the P.A.T.A. on its fifty of service. This long period speaks ts worth to retail pharmacy. Its tent progress and work alongside developments is noteworthy and has of real value in giving satisfaction to mer, manufacturer, wholesaler and er. Whilst the future is obscure for e Association stands as a proof that eration in meeting public demands has well met, and this method could be n an even wider sphere.—*V. Cromack.*

E. Gaze & Sons, Ltd., London.—The e of the P.A.T.A. marks a red-letter the history of pharmacy. One cannot ve what the chemists' business would hout it. Looking back over fifty years l the counter and having experienced treme and bitter cutting of prices in rly days in pharmacy, I consider the .A. has conferred the greatest possible t, and given as great a feeling of ty, not only to retailers but to manu- ers and wholesalers. Well-deserved should be given to the initiators and ainers of the organisation.—*W. E. Gaze.*

V. Hague (Chemists), Ltd., Cardiff.— glad that this jubilee year of the .A. furnishes an appropriate time firming my belief in the principles of ice maintenance as exemplified and ped by the Association. The present sed and comparatively prosperous of retail pharmacy is basically due e revolution in trading principles ed fifty years ago by Sir William Glyn-Jones and efficiently and fairly controlled by the P.A.T.A. ever since. The Association has successfully survived many vicissitudes and much criticism, which it has always been prepared to meet in a serious and open manner. Pharmacy owes a debt of gratitude not only to the memory of Sir William Glyn-Jones, but also to those members of the P.A.T.A. Council and the permanent officers. We in South Wales are especially proud of Sir William Glyn-Jones. The P.A.T.A. has achieved a record for which pharmacists have every reason to be proud.—*S. W. Hague.*

Edgar Jones, Brighton.—Fifty years ago few chemists cared about helping each other. Cut prices had an irresistible appeal both sides of the counter, and no one troubled to think of the havoc which so often resulted. Happily there were a few pioneers, both retail and wholesale, with a sense of social responsibility; they responded to the appeal of Glyn-Jones and they deserve a share of the homage that will be given on this occasion. I remember the spade work put in by the founder; his travels far and wide; his never-failing enthusiasm; the initial list and its slender proportions; the doubts with which the movement was regarded. Happily the doubts to which I refer were soon dispelled.—*Edgar Jones.*

H. M. Kelly, Londonderry.—The P.A.T.A. has been invaluable to me in my business. During the war years there has been very little cutting of prices, but I can remember the annoyance, both to customers and retailers, over prices of goods which were advertised at reduced rates. The "stop list" has dealt most effectively with this type of trading; as local secretary I am conversant with the help given to retailers to stamp out cutting and to ensure that only reliable wholesalers should distribute P.A.T.A. lines. I am of the opinion that the example of the P.A.T.A. has had the indirect effect of reducing price cutting of non-P.A.T.A. goods.—*H. M. Kelly.*

J. McGregor, Belfast.—I thank you for this opportunity of adding my praise and congratulations from Northern Ireland to the P.A.T.A. on the occasion of its jubilee. I can remember the chaotic conditions which prevailed in pharmacy thirty years ago when patents were sold at a little more

than cost price and it would be a good thing if these conditions were occasionally recalled for the benefit of the younger generation. At this time let us recall with grateful remembrance the men of those days who gave of their time and talents to build up this great association which has proved one of the greatest blessings gained by our profession.—*J. McGregor.*

D. Marchant, Eastbourne.—When being inaugurated I had the pleasure of acting as locum for Mr. William Johnston, of Angel Road, Buxton, whilst he collaborated with Mr. William Glyn-Jones. Competition was so keen that many had to give up, the only thing that saved many chemists was their enthusiasm and concentration on own preparations. When the P.A.T.A. was launched and better profits assured own proprietaries received less attention and P.A.T.A. articles were given more prominence and with special discounts displays increased tremendously. The present altered conditions reverse the outlook. Own proprietaries and C.F. goods are being put to the fore and with increasing success. Personally I have never ceased to concentrate on my own preparations without regrets and much satisfaction.—*D. Marchant.*

J. D. Rose, Jarrow-on-Tyne.—In my opinion, there is nothing in the business of a chemist and druggist that comes near the advantages offered by being a member of the P.A.T.A. I realised this while the founder—Glyn-Jones—was my guest as he toured Tyneside during his propaganda visits to the north.—*J. D. Rose.*

Philip F. Rowsell, Exeter.—It was nearly fifty years ago when I first became associated with the late Sir William Glyn-Jones (then Mr.) in helping forward the establishment of the P.A.T.A. This was by no means an easy task. There was apathy on the part of the retailers and by some manufacturers strong opposition. Gradually this was overcome by the holding of propaganda meetings in various parts of the country and I well remember that I was particularly pleased after addressing a meeting at Leeds to come away with the knowledge that I had secured a firm with over 100 branches to become a member. I think the majority of our calling have much for which to thank the P.A.T.A., and its founder, Glyn-Jones.—*Philip F. Rowsell.*

W. T. Stoyle, Beckenham.—To anyone who was in pharmacy in the days when price cutting of proprietaries was general, the economic aspect of the work of the P.A.T.A. is too obvious to need emp is. In those days the other chemists i he area were regarded and treated as e's natural enemies—as objects of suspicio nd distrust. The abolition of price wa re has made possible a feeling of confi ce and co-operation and one's erstwhile e- mies have now become colleagues a in very many instances close friends. he work of the P.A.T.A. still goes on a I have had personal experience of the tr le which its officials are prepared to ta to protect an individual supporter or n- ber from the insidious attack of a bl nt price cutter.—*W. T. Stoyle.*

WHOLESALERS

Boileau & Boyd, Ltd., Dublin.—he writer well remembers the chaotic n- ditions in the trade before the P.A A. commenced its work of creating orde ut of chaos. Prior to 1896, manufactu rs, wholesalers, retailers and the public er knew where they were with regard t he prices of proprietary articles. Each w e- saler and retailer was watching his n h- bour to see what he was doing, and in st cases trying to undersell him—to he detriment of both. The P.A.T.A. grad ly brought all the different sections o he trade into agreement regarding mainta ng fixed prices. Now, thanks to the spl id work of the P.A.T.A., manufactu rs, wholesalers and retailers are assured a reasonable profit margin. The P.A.T.A s been of the greatest benefit to all sect s. As one of the older wholesalers, we si d like to record here our grateful appreci n of the immeasurable services which e been rendered to us as wholesalers, a o the trade generally, by the Propri y Articles Trade Association.—*A. A. Bri r.*

Butler & Crispe, London.—And so s the jubilee year of the P.A.T.A. t would be a truism to say that all conc d —manufacturer, retailer and wholesa n have benefited greatly by its activities. n the years prior to foundation of the o ciation, conditions of trading for h retailer and wholesaler were beco g intolerable. Price cutting was rife l indeed, many popular proprietaries e not worth handling and many pharma s were constrained to refuse to do so. c P.A.T.A. has had a long and uphill f and the hostility it had to contend wi n certain directions in its early days, tog r with the subversive activities of cut f would have resulted in the breakdow many associations. In our opinion

T.A. has rendered great and lasting ce to all branches of the trade, and we it continued success.—*Butler & Crispe.*

ans, Gadd & Co., Ltd., Exeter.—In pinion the P.A.T.A. has been of very value to the whole trade, wholesale retail, since its inception. Before the ling of the P.A.T.A., the trade in pro- ry articles was in a most unsatis- ry condition, to the great financial f all concerned. We have been con- d with the Association since its tion, and our late chairman (Mr. y Gadd) served on the Council from eginning until his death. Our present man also served for several years on ouncil.—*H. Wippell Gadd.*

gers, Ltd., London.—My personal ledge of the P.A.T.A. does not go back actual foundation of the Association. ered Sangers in 1901 and had to deal prices. Very few lines were on the cted List of the P.A.T.A. at that time, he Association was only beginning to a very modest ray of hope across the roat policy of the proprietary drug The majority of new articles that put upon the market, and sold by advertising, were kept in stock by the nised wholesalers, but speaking for my irm, the first consideration before a price was fixed, was to ascertain at price it was being sold to the public e multiple shops, and then to fix our price as much as possible below the le shop price, even although it meant tual net loss on the sale of the article. me a member of the Council of the .A. at the beginning of 1910, and have ued ever since. In the early days Jones had no salary for his services, ery little appreciation for his inspira- hat brought the P.A.T.A. into being. evoted his life to his great idea, the end sacrificed it by his unremit- nergy in spite of physical disabilities. ffect on each section of the trade, but ularly that of the retailer and whole- has been to give an assured and able profit on a growing number of etary articles, and has proved the ion of the wholesaler, as much as it the retailer. Today the Association en as something quite normal, and ery success of the movement has at attracted undesirables to the trade, nerely look for easy money. In spite s the P.A.T.A. goes forward, and wholesalers trust that it may continue trength to strength.—*F. J. Smith.*

James Woolley Sons & Co., Ltd., Manchester.—We, at Woolleys, have first-hand knowledge of the great benefits conferred on the trade by the P.A.T.A. Others will doubtless recall the irresponsible practices and demoralising competition which called the Association into being and which it was its purpose and primary duty to repair. How well it performed its Augean task in face of many jealousies and difficulties is illustrated by the entirely changed outlook of the trade during the past few decades. Moreover it must be given much of the credit for the greatly improved relations which exist between wholesale houses. During the past twenty-five years I have been closely associated with the work of the Council where this amicable and co-operative spirit is manifested by the members of all three sections; on two occasions I have had the honour to be president and perhaps these facts demonstrate better than words my deep interest in and high appreciation of the inestimable service the P.A.T.A. has rendered to me personally.—*S. Watson.*

MANUFACTURERS

Beecham Group, Ltd., London.—We are very glad to have this opportunity of congratulating the P.A.T.A. on the occasion of its jubilee and of recording our appreciation of its work on behalf of the trade over many years. Beset as we are today with so many special problems arising out of the war, we are apt to forget what an important place price-maintenance once occupied in our minds. This jubilee should present us all with a useful reminder and in extending our good wishes to the P.A.T.A. we would add our hope that its functions as a tripartite body for the maintenance of fair prices remain unimpaired against the time when all its strength will surely be needed.—*H. G. Lazell.*

The British Drug Houses, Ltd., London.—This company has been for many years a member of the manufacturers' section of the P.A.T.A. Council. The writer has been on the Executive Committee for the past fifteen years and was president in 1941, Our support of the P.A.T.A. is given mainly on principle—the principle of a fair deal for the pharmacist. As we normally confine our retail sales to registered pharmacies, it is unlikely that our products will be found on sale at cut prices, and in fact it is several years since we heard of such an incident. Nevertheless, we regard it as essential that the full support of manufacturers should be given to a move-

ment which in our opinion is vital to the business welfare of the retailer, and so of the drug trade as a whole. A weak spot in the P.A.T.A. organisation was the fact that manufacturers have been able to supply wholesalers not officially recognised by the Association, but this has been remedied by new wording which the Council has approved for incorporation in manufacturers' agreements. We congratulate the Association on the occasion of its fiftieth anniversary.—*J. D. Bohn.*

J. Grossmith & Son, Ltd., London.—When asked to give my views on the value of the P.A.T.A., I at once remembered how my great-uncle, John Grossmith, found it absolutely imperative to protect the price of his perfumes at the beginning of this century. It was not in "cut price" shops as we know them that different prices were charged but often in the most ethical pharmacies, and for many it was difficult to earn a decent living because of unfair competition. John Grossmith saw in the P.A.T.A. the means of fixing his prices and ensuring a fair profit for all distributors, and he became one of the earliest members. The sale of perfumes and toilet preparations had not nearly reached its peak in this country before the Second World War, and the potential sale ahead is now greater than ever before. I am certain that as soon as supplies can take care of the demand, price cutting will return on a larger scale, if some people who are out to make quick profits have their way. Then it will pay every chemist to ask when an article is offered to him, "Is it on the P.A.T.A.?" I am glad the manufacturers' agreement has been strengthened; this was overdue and will go a long way to ensuring that supplies do not reach the cutters. The retail and wholesale trade will benefit as a result. I would like to say to those who may be new to pharmacy and who never knew the bad days of cut-throat competition, "Be ready with the P.A.T.A. behind you! Be aware of its value to yourself and support those who co-operate in the interests of price protection."

—*R. G. Dyas.*

Parke, Davis & Co., London.—On the occasion of the jubilee of the P.A.T.A., an important milestone in pharmaceutical history, we are happy to pay tribute to the work of the Association. Glyn-Jones, with his remarkable insight, recognised that the success of his scheme for price protection depended upon the loyal co-operation of all sections of the trade. He saw that the drug trade was one and indivisible. On that basis the P.A.T.A. was founded. I maceutical history of the past fifty y has amply proved the soundness of contention. The P.A.T.A. is his la memorial. After fifty years of st progress the P.A.T.A. remains an in ment whose purpose is to safeguard interests of all sections of the drug t It is nearly forty-one years since P.D. & joined the P.A.T.A. They did so ha been convinced that Glyn-Jones was wl right in the ideals which he had and purposes which he unremittingly purs We may say, at this long distant date our joining the Association, that we never for one moment had reason to d the wisdom of the step we took.

—*Parke, Davis &*

A. Wander, Ltd., London.—It is great pleasure I note that the P.A. attains its jubilee this year. Through I should like to offer them my sincere gratulations. My firm has been associ with the P.A.T.A. for some thirty-five y during which time I, personally, discu with the originator, Mr. Glyn-Jones subsequently, other members of the A ciation, the many problems which arisen from time to time. I am conscious of the great difficulties that a in the very early days, and no one ap ciates more than I do the fact that great success of the P.A.T.A. was du its originator having every confidenc the movement. I had the great plea of knowing Mr. Glyn-Jones person and of discussing with him these difficu No manufacturer can possibly be succe unless he has a means of distributin products through wholesale and retail t and, this being so, it is surely just the manufacturer should ensure that t traders are obtaining a proper remunera for their work. As such a principle mu accepted by every manufacturer wh interested in fair dealing and, on the o hand, accepted by every retailer and w saler who is desirous of protecting his interests, I even now find it difficul understand why the P.A.T.A. was no immediate success at the outset. The that it ultimately overcame all the culties, and has now reached its jub indicates that everyone fully apprec its value and activities. Having achi so much during these fifty years, t is every hope that the future can nothing but further success, and I forward to the day when price cutting be entirely eliminated.—*Harry Hague.*

OVERSEAS TRADE NEWS

.S. Chemical Exports Forecast.—United es exports of chemicals and allied ducts during 1946 may reach $325 ion, according to a report to the erican Chemical Society. This value is ly double the totals for 1937 and 1938.

rge Seizure of Japanese Opium.—ter's special correspondent at Osaki an) reports the seizure at that port of ons of contraband opium valued at e than £1,400,000. The opium was d on two Japanese ships; seven nese were arrested.

tamin Tablets for Indian Schoolchildren. message from New Delhi states that Government of India has ordered 00,000 vitamin tablets from the United es to help meet food deficiencies in the few critical months. They will be ibuted mainly in the schools. Inquiries itamin tablets have also been made in United Kingdom.

lo-Swiss Trade.—Reuter states that ission is now being sought for the ation of a number of Swiss-Italian r agreements. Italian products are e exchanged for Swiss chemical, phar- utical and other industrial goods. value of the materials involved is ted to exceed two million Swiss francs.

S. Chemical Exhibition.—The 20th sition of Chemical Industries, which d in New York on March 2, is reported ve had a record attendance—more than o chemical engineers, scientists and trial executives having visited the ition each day. It is stated that the ne of orders for machinery and ical materials placed by domestic and n concerns during the course of the ition was substantial.

ortage of Medical Supplies in Belgium.—an Ministry of Health officials have ibed the present lack of medical ies in Belgium as "disastrous." They that since last November the situation eteriorated. The shortage appears to rticularly serious in prescription items, h before the war mostly came from any. Penicillin is stated to be avail- on the "black market," but this ion is reported to be improving.

choslovakian Nationalisation.—A e dispatch states that the first stage e nationalisation of Czech industry, ing all factories with more than 500 ers, has been completed with the formation of eleven State Trusts. Industries affected include the manufacture of chemicals. The State Trusts are not monopolies because all the smaller factories are left in private hands. At the head of each Trust is a single director, nominated by the Government, but the workpeople are not classified as State employees.

Argentine Shark Oil Industry.—A Buenos Aires message states that as a consequence of the world shortage of oil the Argentine shark oil industry has gained considerable importance during the past few years. In 1944 Argentina exported about 220,000 kilos of oil, a figure which decreased slightly to about 65,000 kilos during the first half of 1945. Almost all exports of shark oil were consumed by the United States with small quantities going to Brazil and Mexico. The Argentine pharmaceutical industry has not yet undertaken the refining of the oil and the preparation of vitamin concentrates, despite the existence of excellent raw materials.

DDT in South Africa.—DDT is now being sold in chemists' shops in South Africa. It was recently stated that the production by the Union Government of the compound is not to be regarded as a monopoly, as has been the case with many other chemical preparations in the past. DDT is at present being manufactured by a Government factory at Klipfontein in the Transvaal and it is being distributed to the public through the normal trade channels. The factory at Klipfontein was built during the war at considerable expense. About 100 tons of DDT a year will be produced, 70 per cent. of which will be used by the Government for health and national purposes. Its use is of particular importance in combating typhus and plague, and in Northern Zululand large quantities are being used in the fight against the tsetse fly and the malaria-carrying mosquito. Several M.P.s have received telegrams from industries which are concerned over the Government policy of continuing to manufacture DDT. It was, however, ascertained that it was impossible to import DDT into South Africa in reasonable quantities at present because of the heavy demand for it by the Allied occupation forces in Europe. It was considered that it would be at least from two to three years before private enterprise could manufacture and put the insecticide on the market in adequate quantities.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represer he prices for wholesale quantities of standard quality. C.i.f. quotations do not include e p- tional marine risk insurance and other abnormal charges payable under present condi ns.

28 Essex Street, W.C. 2, March 20

QUIET markets are again recorded in most directions, the falling-off in business being fairly general. Prices, however, are keeping remarkably stable, the changes amounting to only a few pence. In PHARMACEUTICAL CHEMICALS makers and dealers report steady conditions with business about up to recent average. Reasonable supplies of most items are available, but in a few instances business is restricted by lack of supplies.

Crude Drugs

Demand for these items is being stimulated by the growing export trade now passing in manufactured articles, but until the shortage of crude drugs is completely overcome by increased importation, it will not be easy to fill all requirements for manufacturing purposes. The price position throughout the crude drugs markets remains quite steady. Despite the recent price advance, ANTIMONY continues to be taken up to the full production capacity. CARDAMOMS remain scarce and firm, but unchanged in quotation. CASCARILLA is now in poor supply on the spot. CLOVES are easier on the spot. Slow sales are being made of COLOCYNTH at the last-quoted price. Portuguese DIGITALIS LEAVES are neglected. Some arrivals of ERGOT are reported. A temporary shortage of KAMALA is noted. No information has been received regarding future supplies of Chinese MENTHOL. Products from that country, however, are likely to reach very high quotations, owing to difficult conditions at the source. A parcel of Cochin NUX VOMICA is reported to be landing. Negotiations with China for supplies of RHUBARB are proceeding, but the last price received indicates a value higher than that suggested last week. Some inquiry has been received for imported SEEDS, but the market remains dull. Belgian VALERIAN ROOT is a shade easier on the spot. A few price changes are noted in WAXES.

Essential Oils

The first announcement of the removal of essential oils from the war-time scheme of distribution appears on page 383. Three oils are affected, viz. bay, lavender and spike lavender. The impression gained on reading the circular is that extreme caution is being exercised in freeing these oils. ir- ing the difficult period of readjust nt through which industry is now passing he removal of controls such as that exer ed during the war on essential oils, mus of necessity, be gradual and carefully s r- vised. The Ministry of Food, throug he Essential Oils Advisory Committe is apparently determined to ensure tha he new arrangements are not allowe to operate to the detriment of the user. T re appears to be little fear that " this first p towards greater freedom of trading " ll be abused in any way, and it is likely t other essential oils will quickly follo e first three to be " released."

Exchange Rates on London

Bank of England fixed rates at the o- ing on Wednesday morning were :—

Centre	Quoted	March
*Alexandria ...	Piastres to £	97⅞-0
Brussels	Francs to £	176½-1
Copenhagen ...	Kroner to £	19.32-1
Dutch West Indies	Florins to £	7.58-7
Oslo	Kroner to £	19.95-2
Paris	Francs to £	479.7-4
Lisbon	Escudos to £	99.80-1
Montreal	Dollars to £	4.43-2
New York	Dollars to £	4.02½-4
Stockholm ...	Kroner to £	16.85-1
Zurich	Francs to £	17.30-1

*Free market rate

U.S. Drug Market Report

New York, Marc 5

STREPTOMYCIN, production of which as increased from 3,000 grams in Septe er of last year to the estimated 27,000 g s for the current month, will not be distril d through commercial channels, accordi o the provisions of a new Civilian Produ n Administration Order. Manufacture o e drug is not expected to commence for e time ; meanwhile, about two-thirds o ll pilot-plant output will be allocated t e Armed Forces, the U.S. public h h service and the Veterans' Administr n and the remaining third will be devot d clinical research. There have been w offerings of Brazilian MENTHOL ar a further price advance was noted in e course of the week. The price of the Ch se product is considered too high though s thought that European importers wi be glad of any deliveries which may be a l-

e. No improvement in the GLYCERIN ition is expected before the middle of the r. Some Japanese slab and powdered MPHOR is reported available on the rket; the domestically produced tablet terial continues scarce, though powdered vailable for prompt delivery. On the ing that further supplies from Spain are kely in the near future, MERCURY has eloped a firmer tone. The supply of imted CRUDE DRUGS continues to run far ind demand and several price advances e noted over the course of the week. IPER BERRIES are an exception, the tation on earlier Spanish deliveries ining somewhat in view of the more nt arrival of substantial quantities of Italian and Russian product. Included large list of detentions by the Food and g Administration is half of the first ment in some time of English HAWRN BERRIES. INDIAN ROOT, BALSAM U, VALERIAN ROOT and chalky CARBA WAX were firmer with some advance prices, whilst the tight SOAP BARK tion will continue for some time, accordto reports from Chile. A shipment of oximately ninety bags of CONDURANGO k featured the market in the earlier part he week. Only sparse deliveries of NTIAL OILS may be expected from the erlands East Indies over the next two s, reports reaching trade circles ine; planations cannot be brought to ality before the elapse of such a period me, it is stated, as a result of extensive ge during the war years. Following tatement that the 30,000 lb. of Govern-owned Italian LEMON were to be sed for sale through private channels, now learned that the material must be offered to federal, state and local rnment agencies. There have been no ble price fluctuations among ESSENTIAL though many items remain in exceedshort supply. LEMONGRASS, GERANPETITGRAIN and ANISE are difficult to e in large quantities.

Pharmaceutical Chemicals

ETANILIDE.—Current price of powder is y at 2s. 5d. per lb., and that of crystals 6d.

IRIN.—Makers' prices per lb. for the home t are steady. Rates, in quantities of -1 cwt., are as follows (containers in ts): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. ; 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

IRIN TABLETS.—Makers quote bulk supper 1,000 as follows: Under 5,000, 3s. 6d.; and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000, 2s. 9d.

BROMIDES.—POTASSIUM, in quantities of 28 lb., is quoted at the following rates per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 10½d. (28-lb.). SODIUM, 1½d. per lb. less, and AMMONIUM 1½d. per lb. more, than above prices. Prices are net without engagement. Resale clause applies.

CHLORAL HYDRATE.—Steady; current prices are as follows: 1 cwt., 3s. 10d. per lb.; 56 lb., 4s.; 28 lb., 4s. 2d.; 14 lb., 4s. 6d.; 7 lb., 4s. 9d.; less, 5s. 3d.

CITRATES.—Prices per lb. for POTASSIUM, in quantities of 28 lb.–1 cwt., are as follows (containers in brackets): 3s. 7½d. (1-lb.); 3s. 6d. (4-lb.); 3s. 5d. (7-lb.); 3s. 4½d. (14-lb.); 3s. 3½d. (28-lb.). FERRI ET AMMON. CIT., B.P., 2d. per lb. above; SODIUM, B.P., 3d. per lb. below; POWDER, 1d. per lb. extra.

DIAMORPHINE.—Current rates per oz. for small quantities are as follows: BASE.—½ oz., 58s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., 53s. 9d.; 4 oz., 53s. 6d. HYDROCHLORIDE.—½ oz., 54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 50s. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

ETHYLMORPHINE.—Small quantities are quoted per oz. by makers as follows: BASE.—½ oz., 61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 3 oz., 56s. 9d.; 4 oz., 56s. 6d. HYDROCHLORIDE.—½ oz., 53s.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 48s. 3d.; 4 oz., 48s.

GLUCOSE.—Powdered monohydrate for the home trade is quoted as follows: 14 lb.–28 lb., in 14-lb. lots, 11¾d. per lb.; 28 lb.–112 lb., in 14-lb. lots 5s, 11¼d.; in 28-lb. lots, 10¼d.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Current home quotations are: POTASSIUM IODIDE, B.P.—112 lb., 9s. 3d.; 28 lb., 9s. 9d.; 14 lb., 10s. 3d.; 7 lb., 11s. 9½d.; 4 lb., 12s. 3½d.; smaller quantities, 12s. 9d. per lb. SODIUM IODIDE, B.P.—28 lb., 10s. 2d.; 14 lb., 10s. 8d.; 7 lb., 12s. 5½d.; 4 lb., 13s. 1½d.; smaller quantities, 13s. 11d. IODOFORM, B.P.—28 lb., 13s. 4d.; 14 lb., 13s. 10d.; 7 lb., 16s. 0½d.; 4 lb., 16s. 10½d.; smaller quantities, 17s. 8d. IODOFORM CRYSTALS.—2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 8d.; 28 lb., 11s. 2d.; 14 lb., 11s. 8d.; 7 lb., 13s. 5½d.; 4 lb., 14s. 1½d.; smaller quantities, 14s. 10d.

LACTATES.—Prices are as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb.; 14 lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

MAGNESIUM CARBONATE, HEAVY.—Home market prices per lb., in lots of 28 lb.–1 cwt., are as follows (containers in brackets): 1s. 7d. (1-lb.); 1s. 5½d. (4-lb.); 1s. 4¾d. (7-lb.); 1s. 4d. (14-lb.); 1s. 3d. (28-lb.). Prices net, one month.

MAGNESIUM CARBONATE, LIGHT.—Prices per lb. for the home market, in quantities of 28 lb.–1 cwt., are as follows (containers in brackers): 1s. 4d. (1-lb.); 1s. 2½d. (4-lb.); 1s. 1½d. (7-lb.); 1s. 1d. (14-lb.); 1s. (28-lb.).

MAGNESIUM TRISILICATE.—Prices per lb., current in the home market, in quantities of 28 lb.–1 cwt., are as follows (containers in brackets): 3s. 9½d. (1-lb.); 3s. 8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6½d. (14-lb.); 3s. 5½d. (28-lb.).

MANDELATES.—Makers' quotations are unchanged. SODIUM and CALCIUM.—4 oz., 8 oz., and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb., net. AMMONIUM (50 per cent. solution).—4 oz., 8 oz., and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.; 7 lb., 9s. 10d.; 14 lb. (in 7-lb. packages), 8s. 11½d.; 28 lb. (in 7-lb. packages), 7s. 11d. per lb., net. Packages are charged extra and should be returned promptly.

MANDELIC ACID.—Current quotations are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYL SALICYLATE.—Smalls are quoted at 2s. 6d. per lb.; winchesters at 2s. 1½d.; 56 lb., in demijohns, 2s.; 1 cwt., in demijohns or carboys, 1s. 11½d.; 5 cwt., 1s. 11d. All prices net.

TERPINEOL.—Pure medicinal quality may be obtained at from 3s. 3d. to 4s. per lb., according to quantity.

THEOBROMINE.—Current prices are as follows: ALKALOID.—Smalls, 44s. 6d. per lb.; 7 lb.–28 lb., 43s. SODIUM SALICYLATE.—Smalls, 26s. 6d.; 7 lb.–28 lb., 25s. 3d. Tins extra.

Crude Drugs

AMMONIACUM.—Ordinary drop may be had on spot at 2s. 6d. per lb.

ANTIMONY.—Demand for metal is sufficient to absorb all available supplies. Prices are maintained at the recent advance. Minimum 99.6 per cent. regulus is quoted at £132 10s. per ton and minimum 99 per cent. at £125; 70 per cent. crude, for the home trade, £105 per ton, delivered.

ARECA NUTS.—Current spot offers are steady at 85s. per cwt.; shipment quoted at 55s., c.i.f.

BALSAMS.—*Peru* is firm on spot at 8s. 3d. per lb., and *Canada* steady at 13s. 6d. to 14s. per lb. *Tolu* and *Copaiba* are unobtainable on spot.

BISMUTH.—Minimum 5-cwt. lots of metal continue to be quoted on spot at 6s. 8d. per lb.

Figures given by the "Metal Bulletin" (March 15) show that exports of bismuth metal from Mexico during the war years, in metric tons of metal content, were: 1941, 63; 130; 1943, 115; 1944 (January-March), 1945 (January-March), 38. The meta is described as "impure and mixed."

BUCHU LEAVES.—In small supply on the ot at 5s. 6d. per lb.

CARDAMOMS.—Scarce and very firm. Al y seed quoted on the spot at 8s. 6d. per lb., d Aleppy greens at 7s. 3d. to 7s. 6d. per lb.

CASCARILLA.—Quills are in demand at 3s. 6d. per lb., but supplies are stated t e short.

CHAULMOOGRA.—*Hydnocarpus* is quoted n- changed on spot at 2s. per lb., in tins in cas

CHILLIES.—Mombasa, spot, 150s. per .., sellers. Business is quiet.

CINNAMON.—Chips are in small compa n the spot at 2s. 2d. per lb.; qullls are t obtainable at present.

CLOVES.—Again lower at 1s. 3d. per lb r Zanzibar, spot, London; March-April y- ment, 9¾d. per lb., c.i.f., buyers' licence.

COCHINEAL.—Both the silver and l k varieties may be obtained on the spo t 5s. 6d. per lb.

COCOA BUTTER.—Except under licence, e maximum price that may be charged is 1s d. per lb., ex factory or warehouse.

COLOCYNTH.—Good-quality pulp is se g slowly on the spot at 2s. 6d. to 2s. 9d. pe b.

DIGITALIS LEAVES.—Very little bus s passing in Portuguese leaves which are qu d unchanged on the spot at 140s. per cwt. y- lish leaves are steady at 2s. 6d. per lb.

ERGOT.—A few new arrivals have con n and are quoted at 7s. 6d. per lb. on the sp

GINGER.—West African, spot, 80s. to s. per cwt.

GUM ACACIA.—Kordofan cleaned sort n limited supply, is quoted on the spot at 67s d. per cwt.; bleached is at 145s., and cle d Talha at 42s. 6d.

HENBANE.—Indian leaf is quoted at per cwt. on the spot, and Egyptian (*mu* s at 85s.

JALAP.—Material testing 12.1 per cent. y be obtained on the spot at 3s. 3d. per lb.

KAMALA.—Supplies are temporarily s t. Any remaining material testing 6 per cent h would be worth 2s. 9d. to 3s. per lb.

KARAYA GUM.—Spot quotations for In n No. 1 gum are unchanged at 215s. per cwt.

KOLA NUTS.—Small spot supplies are qu d as follows; African quarters, 8d. per African halves, 6d.; Jamaican washed ha 7d.

MENTHOL.—Brazilian is quoted on the t at 32s. to 35s. per lb.; in bond, 30s. No s has come to hand regarding the Chinese pro t.

MERCURY.—Prices are controlled by e Control of Mercury (No. 11) Order, 1945 & O., 1945, No. 1129) (*C. & D.*, Octobe 1945, p. 388).

UTMEGS.—Scarce. Quotations are as fol-s: 80's, 4s. 3d. per lb.; sound unassorted, wormy and broken, 3s. 9d.

UX VOMICA.—A parcel of Cochin now land-is priced at 45s. per cwt.

EPPER.—Whole, not picked over or cleaned, sale to processors, is officially priced at 1s. 4d. lb. for white pepper and 1s. per lb. for k pepper.

IMENTO.—Sellers on spot at 1s. 3½d. per lb.; ment, 122s. 6d. per cwt., c.i.f., buyers' nce.

UILLAIAB ARK.—A few parcels are at last at; prices will be: natural, 110s. per cwt.; 120s., ex warehouse.

HUBARB.—Nothing available on the spot. otiations for supplies from China are pro-ing, but the last price received indicates a e higher than 15s. per lb., landed duty paid.

RSAPARILLA.—The position as outlined week is unchanged.

EDS.—Apart from a little inquiry con-ns in these markets are flat, with only available at 110s. per cwt.

AGACANTH.—Selected grades continue e but the price is unchanged at £160 per Medium grades are quoted as follows: white, £145 per cwt.; No. 2, white, £125; white, £110; No. 4 white, £85; pale leaf, amber leaf, £50; dark amber, £35; n leaf, £25; red-and-brown leaf, £20; eaf, from £17; hoggy, £12 to £15.

RMERIC.—Price is nominal at 105s. per pending further supplies.

LERIAN ROOT.—Belgian root is now quoted e spot at 290s. per cwt.

XES.—BEES'.—Quoted on the market as s: Dar-es-Salaam, spot, 330s. per cwt.; ent, March-April, 310s., c.i.f.; Benguela, -April, 275s., c.i.f.; Abyssinian, March-, 280s., c.i.f. CARNAUBA.—Fatty grey, nominal; chalky, 825s. nominal; prime v, 1,000s., nominal; shipment, fatty grey, ; prime yellow, 875s. OURICURI.—Spot, er cent., 600s. per cwt.; forward, no . CANDELILLA.—Spot, 425s.; shipment, oted.

Essential and Expressed Oils

VE.—English distillers quote bud oil at 12s. 6d. to 13s. per lb., according to ity.

TOR.—Bulk supplies of "firsts" are offi-priced at £82 per ton and "seconds" , both naked ex works.

ONUT.—The following are the fixed prices ulk quantities: Crude, £49 per ton; l deodorised, £49; refined hardened rised, £53.

TONSEED.—Official quotations are as s: Crude, £52 2s. 6d. per ton; washed, ; refined edible, £57; refined deodorised, aked ex works.

GROUNDNUT.—Bulk supplies are officially quoted as follows: Refined deodorised, hardened to 40°, £62 per ton; refined deodorised, hardened to 50°–52°, £63.

LINSEED.—Fixed price of crude is unchanged at £65 per ton, naked ex works.

OLIVE (EDIBLE).—Drums, 25s. 9d. per gallon of 9 lb., ex wharf London. Prices charged by wholesalers are as follows: 33s. 6d. per gall. in 1-gall. loan cans; 34s. 3d. in ½-gall. loan cans; 35s. in 1-quart loan cans; 36s. per gall. in 1-pint cans.

PALM KERNEL.—Bulk supplies are officially priced as follows: Refined deodorised, £49 per ton; refined hardened deodorised, £53, naked ex works.

ESSENTIAL OILS CONTROL

THE following information has been released by the Essential Oils Control:—

The Advisory Committee, in consultation with the Ministry of Food, has decided that the following oils, viz., bay, lavender and lavender spike shall be removed from the scheme of distribution as from March 11.

This means that while importations will still be subject to individual import licences, any importer is free to apply for licences and each application for licence must be accompanied by evidence that the importer has purchased from the supplier subject to import licence being obtained. Licences will not unreasonably be withheld, but the overall position will be kept under close scrutiny in order to ensure that the total quantity imported does not exceed normal trade requirements.

Importers will be free to dispose of the oil so imported without restriction. It must be emphasised, however, that this first step towards greater freedom of trading does not imply removal of control and that its success depends upon the co-operation of all trading interests. If it should be found that the arrangement operates to the detriment of users, it will become necessary for the oils concerned to be again imported and distributed through the control scheme.

All applications for licences must be submitted in duplicate to the Ministry of Food, Essential Oils Branch, Portman Court, Portman Square, London, W.1, and not to the Board of Trade. Announcements from time to time of other oils to be removed from the scheme will be made by circular to all participants in the scheme and will be sent to the trade Press.

As and when an essential oil is removed from the control scheme importers will no longer be required to insure that oil under the master cover. They will be free to make their own arrangements for insurance.

COMING EVENTS

Sunday, March 24

CORNISH BRANCHES, PHARMACEUTICAL SOCIETY, and NATIONAL PHARMACEUTICAL UNION, St. John Ambulance Headquarters, Truro, at 2.30 p.m. Messrs. Bryan and Smith (pharmacists at the City Hospital, Plymouth) on "Dispensing Penicillin." N.P.U. Branch meeting follows.

Tuesday, March 26

SCARBOROUGH BRANCH, PHARMACEUTICAL SOCIETY, Public Library, Vernon Road, Scarborough, at 7.30 p.m. Annual meeting, followed by Mr. H. M. Hirst (a member of the Society's Council) on "The Shape of Things to Come."

SOUTH EASTERN (LONDON) ASSOCIATIONS, New Cross Inn, 323 New Cross Road, London, S.E.14, at 7.30 p.m. Council candidates' statements of policy.

Wednesday, March 27

NATIONAL PHARMACEUTICAL UNION, 4-5 Queen Square, London, W.C.1., at 12.30 p.m. Annual meeting.

WOLVERHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Civic Hall, Wolverhampton, 7.30 p.m. to 12 midnight. Annual dance. Tickets 4s. each.

NORTH-WEST LONDON BRANCH, ENGLISH NEW EDUCATION FELLOWSHIP, Hendon County School, Golders Rise, Hendon, London, N.W.4, at 7.45 p.m. Mr. A. L. Bacharach, M.A., on "Penicillin."

COLCHESTER BRANCH, NATIONAL PHARMACEUTICAL UNION, Jocelyn Cafe (opposite Town Hall), Colchester, at 7.30 p.m. Mr. R. H. Kemp (local organisations officer, N.P.U.) on "The National Health Service and Other Matters."

FEDERATION OF BRITISH INDUSTRIES, Kingsway Hall, London, W.C.2. Conference on "Industry and Research." 10.30 a.m. to 12.15 p.m: Sir Robert Robinson (President of the Royal Society) and other speakers. Chairman, Sir Clive Baillieu (president, F.B.I.). 2.15 p.m. to 4.30 p.m: Chairman, Sir Stafford Cripps (President of the Board of Trade).

Thursday, March 28

BLACKPOOL BRANCH, PHARMACEUTICAL SOCIETY, Booth's Cafe, Blackpool, at 7.30 p.m. Dr. F. Wrigley on "The Later Vitamin Developments."

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS. 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Mr. W. J. Tristram, M.P.S. (a member of the Society's Council) on "Pharmacy and the New Health Service."

ASSOCIATION FOR SCIENTIFIC PHOTOGRAPHY, Caxton Hall, Westminster, London, S.W.1, Mr. C. W. Bunn, B.A., B.Sc., on "Towards Atomic Photography."

FEDERATION OF BRITISH INDUSTRIES, Kings Hall, London, W.C.2. Conference on "dustry and Research" (conclusion). 10 to 12.15 p.m. Chairman, Mr. Herbert Morr (Lord President of the Council). 2.15 4.30 p.m. Chairman, Sir John Ander F.R.S.

Friday, March 29

NORTH LONDON PHARMACEUTICAL ASSOCIAT Lecture theatre, 17 Bloomsbury Squ London, W.C.1, at 7.45 p.m. Council ca dates on their policies.

Sunday, March 31

MANCHESTER PHARMACEUTICAL ASSOCIAT Ramble to Buxton, Kettleshulme, Whaley Bridge. Meet Central Stat 8.45 a.m. Book Buxton return.

TRADE MARKS

(From "The Trade Marks Journal," Marc

"GAMMAGRAPH," "NUCLEOGRAPH" "ALPHAGRAPH"; for photographic ch cals and photographic sensitised mate (1). By Ilford, Ltd., 23 Roden Street, Ilf Essex. 637,845–46; 637,847 (Associate

"REPERTOIRE" and "SOUFFLE"; for t and cosmetic preparations and perfun and in the former case for hair lotions brilliantine (3). By Coty, Inc., c/o J Evans-Jackson & Co., 49 Albert Hall M sions, Kensington Gore, London, S.W 637,643–44.

Device of lion rampant, with word "DUNC imposed thereon; for soaps, perfu essential oils, toilet and cosmetic prep tions and dentifrices (3), also for pha ceutical preparations (5). By Dun Flockhart & Co., 155-57 Farringdon R London, E.C.1. 629,316–17 (Both A ciated).

"LA CALMA"; for perfumery, toilet and metic preparations, dentifrices, depil preparations, toilet articles, sachets for in waving the hair, soaps and essential (3). By J. Worthington, 210 Ealing R Wembley, Middx. 637,843.

"APPE VITE"; for pharmaceutical t digestive preparations (5). By J. M & Co., 112 Leicester Road, Wigston, Le ter. B636,216.

"THAYLEX"; for pharmaceutical preparat and substances (5). By L. E. J. Guy, Thaylo Laboratories, 289 Shirley R Southampton. 636,618.

"VIVICILLIUM"; for pharmaceutical stances and preparations (5). By H. E Enoch, 41 Sunningfields Road, Hen London, N.W.4. 637,225 (Associated).

"ESSULES"; for pharmaceutical preparat and substances (5). By Southon Lab tories, Ltd., 88 Upper Richmond R London, S.W.15. 637,299.

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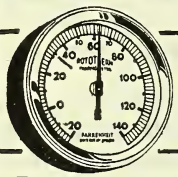

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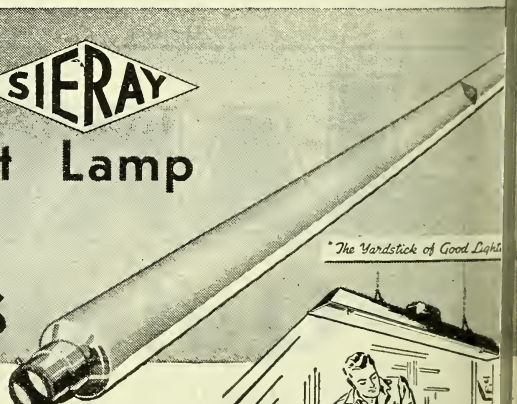

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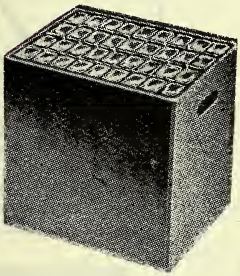

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of "NATIONAL" quality

anging in size ½ oz. up to 3 oz.
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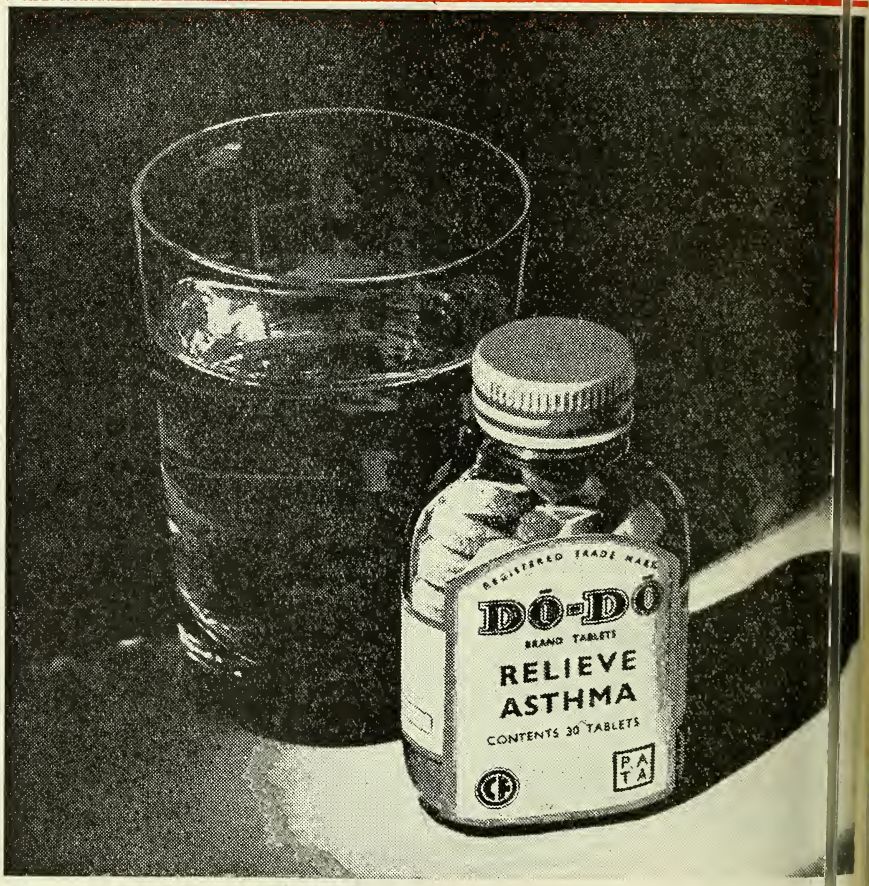

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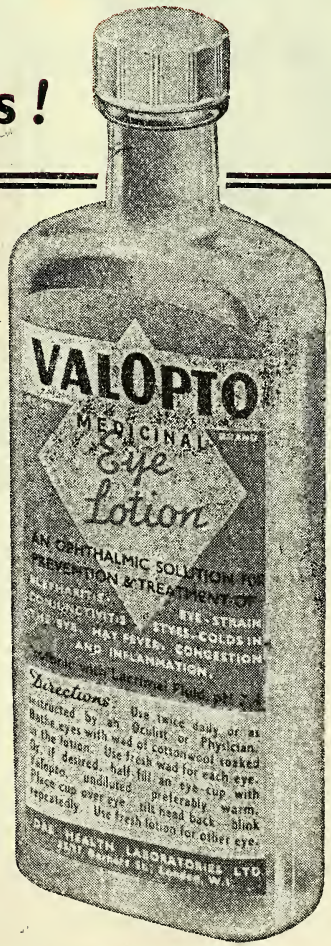

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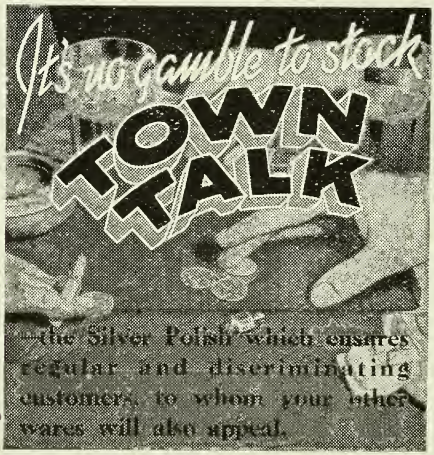

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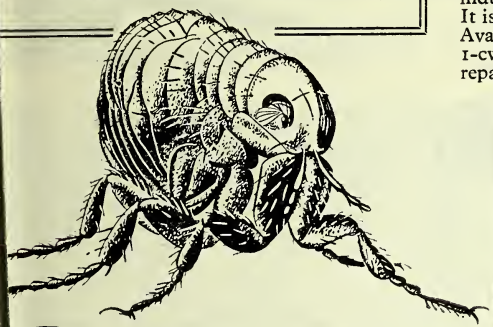

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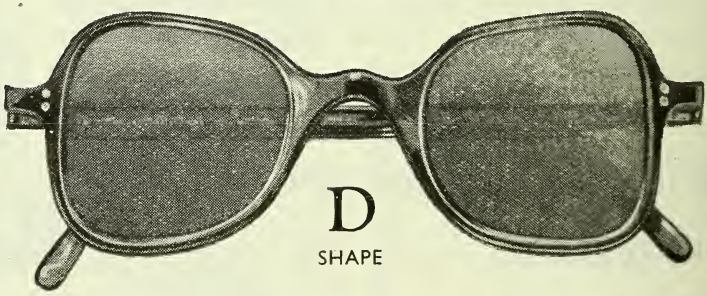

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28 ESSEX STREET, LONDON, W.C.2

MARCH 23 1946

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STANTS required at once. One qualified and ne unqualified for seaside and family business. East coast. Apply with full particulars. 5, C. & D. Office.

IINGHAM. Qualified Branch Manager re- uired by small progressive company. The is a permanency and carries with it a basic nd commission on net profits. Opportunity e given to demobilised man to pick up again eads of pharmacy. Please state age, ex- , approx. salary required and when free. , C. & D. Office.

CH Manager for busy, good-class dispensing siness. Permanent progressive post to suit- plicant. State age, experience and salary to E. E. Russell, 17 Station Road, Letch- Herts.

CH Managers are required by London Co- erative Chemists Ltd. for progressive posi- various parts of London. Applications from lady and gentleman Pharmacists, members of the Forces who are shortly emobilised. Inquiries in the first place to endent Chemist, 54 Maryland Street, Strat- ndon, E.15.

ISTS Assistants (Ladies) wanted for clerical k in the N.H.I. checking bureau and stock lepartments. Apply National Pharmaceuti- n, 4/5 Queen Square, W.C.1.

LLOYD has vacancies for dispensers (male) d young lady assistants. Apply 34 Market .W.11. Speedwell 9090.

Assistant, qualified, required immediately dispensing and high-class counter trade. , experience, references and salary required. Waterhouse, Ltd., 4 Victoria Road, Deal,

Pharmacist for dispensing and counter, to take charge. Oxfordshire town. No or half-day duties, two girl assistants , congenial working conditions. Excellent dation available (two rooms and full board). essential; return fare paid to suitable . 960/815, C. & D. Office.

N, South-West outskirts. Qualified Mana- required for Middle-class Well-established . No half holiday or Sunday duties. cy offered to keen energetic man. Good l percentage of profits with excellent future Apply 960/810, C. & D. Office.

LONDON CO-OPERATIVE CHEMISTS, LTD., now have one or two vacanci s for Branch Manager Pharmacists with the offer of living accommodation. The organisation offers considerable scope for men with initiative. Apply in first instance direct to Superintendent Chemist, 54 Maryland Street, Stratford, London, E.15.

NORTH-EAST COAST TOWN. Required immediately, experienced Qualified Chemist as Manager (full control). Salary £8 8s. Not under 30 years of age. 957/724, C. & D. Office.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring Situations, except women between the ages of 18 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

PORTHCAWL. Assistant wanted for dispensing and counter work; good seaside experience gained. F. E. Duck, Ltd., Porthcawl, Glam.

PORTSEA ISLAND MUTUAL CO-OPERATIVE SOCIETY, LTD., requires qualified Pharmacy Branch Managers, permanencies, excellent prospects. Superannuation Fund in operation. Applications stating age, qualifications, experience and what domestic accommodation is required, to reach the General Manager, 110 Fratton Road, Portsmouth, not later than 3rd April.

QUALIFIED Manager urgently required of active initiative on profit sharing terms in old-established business in London East area. 960/820, C. & D. Office.

QUALIFIED Branch Manager required immediately. Permanency. Good house accommodation in pleasant country district. Scope and good prospects for capable manager. Please submit full details of experience and copies of references with application. Branch Managements also available without accommodation. L. Rowland & Co., Ltd., Chemists, Mitre Buildings, Brook Street, Wrexham, N. Wales.

QUALIFIED Superintendent required for busy shop. Hours 9 a.m. to 7 p.m., half-day and no Sunday duty. State salary and when free. 958/757, C. & D. Office.

TORQUAY. Junior Assistant required. Apply stating experience and salary required. Comfortable board and lodging available. E. Quant, Landour, Lower Woodfield Rd., Torquay.

WANTED. Dispenser for afternoons and one evening weekly for Bushey district. 959/776, C. & D. Office.

WANTED Dispenser-Secretary, some nursing experience an advantage, in Medical and Surgical practice. Apply with references to James Lyons, M.D., F.R.C.S., 12 The Avenue, Lincoln.

WEST MIDLANDS. Qualified Assistant required in high-class pharmacy, mainly for dispensing. 958/765, C. & D. Office.

YOUNG Assistant (male or female), experienced in dispensing, required for middle-class pharmacy in Reading. Congenial berth for one with genuine interest in business. Particulars of experience and salary required to Carter, Chemist, Reading.

YOUNG Qualified Manager required for good class business in Berkshire market town. Photographic experience an advantage; good opening for a keen and reliable man or woman. Apply, stating age, experience, salary, etc., to G. W. Scaddan & Co., Ltd., Market Place, Abingdon, Berks.

YOUNG Qualified Assistant required for high-class dispensing business. Apply Lane, 100 Western Road, Hove, 2, Sussex.

LOCUMS WANTED

LOCUM. Jersey, Channel Islands. Pharmacist for dispensing required immediately for four or six weeks in old-established high-class pharmacy. 960/803, C. & D. Office.

QUALIFIED Locum required Midlands, April to September; salary and expenses; all accommodation arranged and paid. 956/679, C. & D. Office.

WANTED for three or four months locum, June to September, Qualified, male or female. Please apply with full particulars to T. C. Cornwell Ltd., Piccadilly, Hanley.

RETAIL (OVERSEAS)

BRITISH Colony. Qualified Chemist required for permanent position with old-established British firm's organisation in West Africa. Optical qualification advantage but not essential. Service agreement provides for twenty months tour, four months leave on full pay. Salary commencing including special allowances £425 per annum, increasing per tour on re-engagement to maximum £765 per annum. Low Income Tax, contributory pension scheme in operation. Living accommodation provided free, first class passage paid outward and homeward. Applications with full particulars, also copies of testimonials and recent photograph. 959/797, C. & D. Office.

INDIA. Qualified Pharmacist for old-established company of manufacturing and retail chemists. Single. Age between 22 and 28 years. Three year agreement. Return passage. Provident Fund. House allowance. Commencing salary Rs.700 p.m. (approx. £53). Prospects extremely good for young men of initiative and energy. 960/802, C. & D. Office.

REQUIRED for Departmental Store in Ceylon, Qualified Assistant Chemist, age 25 to 30, 4 years' agreement, free medical attention; passage paid. Write, giving fullest details as to age, experience, etc., to Box A525, c/o Streets, 110 Old Broad Street, E.C.

WHOLESALE

A KEEN Pharmacist required, M.P.S., or Ph.C., to fill responsible post in connexion with the manufacture of packed goods, ointments, etc. S. Maw, Son & Sons, Ltd., Aldersgate House, New Barnet. (Applications marked for the attention of Mr. Bourne.)

ANALYTICAL Chemist wanted (Graduate in Science of Pharmacy) in laboratory in Western London. Duties consisting chiefly of drug and galenical assays and investigations. Apply to 959/773, C. & D. Office, stating qualifications and approximate salary required.

ANALYTICAL Chemist required by London Manufacturing Chemists. Practical works experience of general routine analysis and alkaloidal assays of drugs, including Opium, essential. 5-day week. Reply, giving particulars of experience, salary, etc., to 946/357, C. & D. Office.

A PROMINENT firm manufacturing medical products has a vacancy for a representative in Northern England. Applicants must be registered pharmacists, not over 35, and preferably with experience in contacting medical practitioners. Apply 959/775, C. & D. Office.

APPLICATIONS are invited by an old-establi firm of manufacturing veterinary chemists the post of Sales Development Manager A b ground in pharmacy or chemistry desirable, but essential. Qualifications—personality, initiative drive and experience in administration, organ sales staff, sales management and advertising. S age, and give full details of record and experi to 960/805, C. & D. Office.

ASSISTANT Librarian required by Cher Manufacturers. Duties include abstra medical and technical literature, compiling bi graphies, cataloguing. Candidates should qualification as pharmacist or a degree in chemist biology; experience in librarianship; good rea knowledge French and/or German preferable not essential. Salary according to age and ex ence. Write, giving full particulars, which wi treated as confidential, to Personnel Officer, M Baker, Ltd., Dagenham, Essex.

CONTROL CHEMIST. A well-known Com of fine chemical and pharmaceutical m facturers in the Home Counties, N.E. of Lon require a Control Chemist. Qualifications: degree or equivalent; some experience in pha ceuticals preferable. Age: 32-40. Salary: £450 per annum. 959/768, C. & D. Office.

COSMETIC Chemist capable of taking com charge of manufacturing high-grade cosm including lipsticks, nail varnish, creams, rouge. Must have initiative and organising ability practical experience in modern methods and e ment. Factory of nationally known products ated London area. Write giving details and experience and salary required in confidenc 957/729, C. & D. Office.

DISPATCH Manager, Order Checker, and ex enced Process Workers required by London Wholesale Druggists. Give full partic 959/794, C. & D. Office.

DRUG Clerk, for pricing and costing, by Manch firm of wholesale chemists, experi preferred, one willing to be trained entertai state age and salary. 959/782, C. & D. Office.

EVANS Medical Supplies Ltd., invite applica from pharmacists for a senior position inv experience large-scale filling and packaging ph ceutical products. Applicants should app writing to The Production Director, Evans M Supplies Ltd., Speke, Liverpool, 19.

EXPERIENCED Counter Hand (either required to take charge of Order Asse Also Foreman Packer (either sex) to supervise and finishing of chemists' small packs. Write, st experience and wages required, to Damancy Ltd., Harrow, Middlesex.

EXPERIENCED Propaganda Representati quired by British firm manufacturing products to contact doctors, dentists hos institutions, etc., in Scotland with occasional to Ireland. Applicants resident in Scotlan preferably qualified pharmacists with some m knowledge, should write in confidence giving of age, education, experience, whether marri single, and stating salary expected to 95 C. & D. Office.

FIRST-CLASS Representatives required by lished firm of manufacturing chemists. established connexion with retail and wh chemists, hairdressers and stores essential. Terr (a) Yorkshire, (b) Lancashire, (c) Four No Counties, (d) South-Western Counties, (e) Eastern Counties. Terms: Basic salary ex and commission. Send full particulars statin and record in full detail. Box No. 337, Nev Advertising Service Ltd., Ludgate House, 107 Street, E.C.4.

FREE-LANCE Agents, calling on Chemists required in many areas. Full particul areas, lines, experience, etc., to 959/780, C. Office.

NDON Chemical Manufacturers require additional outdoor representatives for London, ashire, Yorkshire and Scottish areas. Salary commission. Write with full details of previous rience and qualifications to 960/811, C. & D. e.

ANCHESTER. Permanent position in small Wholesale manufacturing house, for wareman and packer. Some previous experience lesale or retail) essential. Comfortable situation reful worker. Give full particulars of experience alary required. 960/818. C. & D. Office.

ANUFACTURERS of attractively packed pharmaceutical specialities require sole agent ing London (excepting S.W.), Middlesex and . Applications will only be considered from of sound experience and stability, having lished connexions amongst retail and wholesale ists, co-ops., stores, etc. Generous commission d and substantial income assured to selected rant. Write in confidence, giving fullest ulars, including present agencies and if car . 959/792, C. & D. Office.

NUFACTURING Chemists dealing in ethical pharmaceutical products have a vacancy in Bucks; Oxford; Herts and West London ts for a first-class representative to call on s, hospitals and pharmacists. Applicants l reside in the territory. Apply 960/814, D. Office.

RTHERN Manufacturing Chemists require the services of a Pharmacist for testing B.P., and own manufactured preparations. Reply nfidence, stating age, experience and salary ed. 960/813, C. & D. Office.

-ESTABLISHED London House has vacancy or Factory Manager. Must have good experin technical production, packaging, factory sation and knowledge of buying markets. l be able to evolve new lines and improve g ones in quality and design. Good salary xcellent prospects. Give full particulars of xperience and salary required to 956/693, . Office.

TOGRAPHIC Assistant (male or female) equired by Chemical Manufacturers to underxperimental photographic investigations and st in organic chemical research work. Inter. with chemistry) an advantage, but adequate al experience and ability would be acceptable e of academic qualifications; preference given Service candidates with good photographic record. Salary according to age, qualifications perience. Apply in writing, giving full details will be regarded as confidential to Personnel May & Baker, Ltd., Dagenham, Essex.

GRESSIVE London Manufacturers have acancy for young man capable of dealing with e Sales correspondence. Apply with full of experience and salary required to 960/812, . Office.

LIFIED Pharmacist required to call upon ospitals and the medical profession. Highest ials and experience required. Please state alifications, experience and salary required, dence. 959/784, C. & D. Office.

RESENTATIVE required immediately eicestershire, Nottinghamshire, Derbyshire, mptonshire, etc. Must have live connexion chemists throughout territory. State age, nce, salary, etc. Victor Spencer Ltd., Bristol Street, Birmingham 5.

RESENTATIVES required for well-known smetic and pharmaceutical products, all nationally advertised. Exceptional energy husiasm required which will be remunerated ngly. Salary, expenses and commission. ies vacant: (a) Scotland, (b) Cheshire, . Wales, etc., (c) S.W. Counties and S. Wales, ally. 959/795, C. & D. Office.

SENIOR Assistant Analyst required for works control laboratory, experience in pharmaceutical analysis essential. Apply giving full particulars to Works Chemist, Timothy Whites & Taylors, Burley Hill, Leeds, 4.

TABLET Coater required by Midland Manufacturing Chemist. Write stating age and experience to 632/749, C. & D. Office.

TABLET Coater required by Midland Manufacturing Chemists. 959/767, C. & D. Office.

TRAVELLERS required on commission basis, for all counties Great Britain, to call on chemists, hairdressers and stores, etc., with new proprietary medicinal lines, together with established products; travellers with good connexions preferred but not necessary. Reply 956/673, C. & D. Office.

UNQUALIFIED Man with wholesale manufacturing experience of galenicals, ointments, etc., required as Wet Foreman by Manufacturing Chemists in N.W. London Suburb (Metropolitan or Piccadilly Tube, 10 miles out). Good wages and prospects to a really experienced man. Write 957/709, C. & D. Office.

VICTOR SPENCER, LTD., 28/30 Bristol Street, Birmingham, require representative immediately for Gloucestershire, Herefordshire, Worcestershire, and Shropshire. Own connexion with retail chemists essential. State age, experience and (in confidence) weekly turnover.

WANTED, Unqualified Chemist to assist in the manufacture of emulsion tablets, toilet preparations and cosmetics etc. London area. Write, stating full particulars of experience and salary required. 958/766, C. & D. Office.

WHOLESALE (OVERSEAS)

OVERSEAS APPOINTMENTS. Applications are invited for appointments to the representative and office staffs of Burroughs Wellcome & Co. in India and the Far East. Interesting and progressive careers will be offered to suitable candidates between the ages of 24 and 30, single, preferably qualified pharmacists. Initial training given in London. Contributory pension scheme. Write, giving age, particulars of education and qualifications, to the Manager, Overseas Division, Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

UNQUALIFIED Man seeks situation Birmingham or Coventry. Good dispenser, 25 years' experience. State salary. 960/808, C. & D. Office.

WHOLESALE

ADVERTISER seeks position. Experienced in the manufacture of cosmetics and toilet preparations. Accustomed to control of labour and production, knowledge of filling machines. 960/806, C. & D. Office.

ADVERTISER, 49, unqualified, desires responsible position. 26 years' experience supervision of manufacturing, production, etc. Knowledge of tablets and tabletting machines. 959/798, C. & D. Office.

ADVERTISING. Responsible situation required with manufacturer. Wide creative experience including Medical Press, Veterinary Press, Pharmaceutical Press, direct mail, printed display, packaging, etc. At present in similar position with leading manufacturing chemists. Provinces not objected to. 957/723, C. & D. Office.

CHEMIST, B.Sc., eleven years' experience in manufacture and analysis of fine and pharmaceutical chemicals and alkaloidal assays of vegetable drugs. 960/819, C. & D. Office.

DRUG, Gum, Spice and Dye Colour Miller requires situation. 20 years' experience grinding, mixing, sifting machinery. Able to take charge of department. 960/801, C. & D. Office.

ENERGETIC gentleman, 33, unqualified, 14 years Drug Warehouse, desires change. Experienced stock-taker, stock-keeper. Last 18 months manager packed goods and patents dept. Similar responsible position desired or would represent reputable firm, Lancashire preferred. Car driver. 959/796, C. & D. Office.

EXPERIENCED Traveller desires change; covering South Wales, West of England, amongst W/R Chemist drug stores, departmental stores, Co-ops. etc. Well-known house, or will consider a few agencies. Own car. 959/793, C. & D. Office.

F.C.S., I.S.M.A., seeks sales executive appointment. Sound experience training and control of sales representatives calling public health depts., hospitals wholesale, medical and dental professions. Desires more scope than present appointment. 959/790, C. & D. Office.

GRADUATE, 33, ex-adjutant and quartermaster, P.o.W. interrogator, H.A.A. gunner, pre-war experience of propagating and distributing ethical products, seeks managerial post with reputable firm, preferably in work of national importance; forceful correspondent; first-class German and Italian, good French, fair Spanish; prospects more important than salary, but £420 p.a. minimum to commence. 959/786, C. & D. Office.

PHARMACIST, aged 30, just released from essential war work, seeks situation in Wholesale or Sales Organisation. Reply to Marcus A. Cooper, 181 Canterbury Road, Davyhulme, Manchester.

PURCHASING and Forwarding Representative. Residing London, prepared undertake duties U.K. for firm abroad. Wide range of goods. Reliable, experienced, own car. Reply by Air Mail. 953/596, C. & D. Office.

QUALIFIED Chemist, 34, 6 ft. tall, at present representative for ethical firm in Lancashire, desires change. 958/748, C. & D. Office.

REPRESENTATIVE with many years selling experience. Unrivalled connexion in Surrey, Sussex, Kent, Hants and part of London with chemists, multiples and chain stores. Would consider distribution of suitable products on agency terms. 959/799, C. & D. Office.

REPRESENTATIVE, 35, who has been making regular three-monthly calls for the past 18 months on wholesale and retail chemists in the South-west of England, desires change for satisfactory reasons. Extensive personal and well-established connexion; car owner; toilets, proprietary or medicinal lines; most known firms of repute. Salary, expenses and commission preferred. Reply 958/762, C. & D. Office.

UNQUALIFIED, single, 32, 14 years' retail pharmacy with multiple, 3 years' stock-taking private chemists; car driver. Seeks responsible post in warehouse, wholesale, or retail company's depot; London or Provinces. 958/740, C. & D. Office.

UNQUALIFIED Man, 25 years' excellent retail experience, good dispenser and good business man, seeks good post indoor or outdoor with Midland drug or sundries house; preferably Birmingham or Coventry area. State salary; free now. 960/807, C. & D. Office.

WELL-EDUCATED gent. (36) requires position as Representative firm of repute; 20 years' varied experience; Oxon, Berks, Bucks, Beds, etc. preferred. 958/763, C. & D. Office.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 2d. for every additional word.

A DUBLIN firm of Manufacturing Chemists offers full manufacturing, packing and distributing facilities, and will accept agencies for established lines only. 959/778, C. & D. Office.

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words o

CELLOPHANE bags, 3½×4½, 30s. per 1 4×4, 35s. per 1,000; 4½×4½, 40s. per 1 limited quantity; samples 6d. Also 44 corru rolls for disposal. Goddard's Chemicals, 122 Court, St. John's Wood, London, N.W.8.

FOR SALE One pair dispensing scales and beam type, with gramme and scruple we new. £4. One pair ditto, secondhand £2 Uplands 5256.

FOR SALE. Three 6 ft. × 29 in. mahogany sl lift-up glass top counter cases. Perfect dition. Seen at Nageles, 8/12 Broadwick S Wardour Street, W.1.

HUNTS' Mixing Machine, with "Z" capacity approx. 4 cwt., complete with and tempering tank. In perfect working Very heavy, solidly built machine. 959 C. & D. Office.

3 DRUMS, each 40/45 gallons, yellow mine at £7 per drum, for disposal. Mem Proc Ltd., 247 Regent Street, W.1.

18,000 half-pint Bath Crystal Ca Barrington, Hannan & Sor Le isham Road, Lewisham, S.E.13.

EXPORT TRADE

AGENCY or Distributorship in India of pro saleable through Chemists and Drug desired by United Medical Stores, Ltd., 16 Bo Lane, Calcutta. Telegraphic address, "Unimed Bankers, Mercantile Bank of India, Ltd. Refer from May & Baker, Ltd., Dagenham, Lo Burgoyne Burbidges, Co., Ltd., East Ham, Lo Dakin Bros. Ltd., 44-50 Southwark St., London,

DENMARK. Soundly established Agent, sentative for well-known British fine ch manufacturers (24 years' connexion), seeks competitive agencies for fine and heavy che drugs and solvents. First-class trade and Ba references exchanged. N. H. Andersen, 33 Fr ciagade, Copenhagen, K.

EGYPT. Reliable firm with good conn among wholesalers and retailers seeks Ag of British Manufacturers of Pharmaceuticals, C cals, Surgical Instruments, Dressings, Glas Cosmetics and Perfumes. Address replies to Box 953/582, C. & D. Office.

OLD-ESTABLISHED British Merchants in L authorised to import medicines into Por open to receive offers for agencies of medici that area. Best references. 954/598, C. & D.

PHARMACEUTICAL firms which are n represented in Iraq are invited to commu with Faiha Drug Co., Ltd., Khan Haj Daud Street, Baghdad, Iraq. Remarkable tu guaranteed. Very excellent bank and bu references on demand.

REGISTERED Manufacturers of perfu toilet, etc., home and export for who Shah Bros. Ltd., 8 White Church Lane, E.

WELL-KNOWN and introduced Swedis porters desire to obtain Agency, or import goods of the following lines: Perfumery metics, Hairdressers' Sundries, Plastic Goods references; Skanska Banken Malmo, Parfu Gust Wulff A.B. (Leverantcur De S.M., Le F Suede), Malmo, Sweden, Postbox 4717.

WELL-KNOWN import and agency firm toilet goods and pharmaceutical trade contact with exporters. We are interested kinds of chemicals, drugs, cosmetics and products. First-class bank references ava Please reply to Messrs. C. G. Livijn, Stora Ny 5 Stockholm, Sweden.

APPOINTMENTS

ere is a vacancy on the Publishing Staff of
THE CHEMIST AND DRUGGIST
an Assistant with an all-round knowledge of
Drug Trade. He should be possessed of
siness instinct, have experience of modern
thods, and be capable of dealing with com-
rcial correspondence, and preferably be a
armacist. Applicants should give full par-
ulars (by letter only) of qualifications, salary
pected, etc., to the Staff Director, Morgan
others (Publishers), Ltd., 28 Essex Street,
and, London, W.C.2.

N Editor is required for an established Export
Trade Journal covering the Drug, Chemi-
and Associated industries. Applicants must
e a thorough knowledge of the export side
he industries and be sufficiently experienced
ournalism to edit the Journal with the object
romoting British trade in Export Markets.
ition offers an excellent opportunity for a man
modern ideas on make-up and the produc-
of a first-class and attractive publication.
plications will be treated confidentially. Send
particulars of previous experience, age and
r details to CBD/429, C. & D. Office.

PPLICATIONS are invited for the post of
Assistant Pharmacist (lady). Salary accord-
to experience; B.H.A. scale. Federated
eranuation Scheme in force. Applications,
copies of testimonials, to the Secretary
House Governor, North Staffordshire Royal
mary, Stoke-on-Trent.

ROWN AGENTS FOR THE COLONIES

OLONIAL GOVERNMENT APPOINTMENTS.

ications from qualified candidates are
ed for the following post:—

RMACIST required by the Government of
sh Guiana for the Medical Department for
our of 2 years with possible permanency.
y £500×£25—£600 a year. Lecture fees
t £50 a year. Free passages. Candidates,
over 35, must be members of the Pharma-
cal Society and hold either a University
ee in Pharmacy or the higher qualification
e Pharmaceutical Society (Ph.C.). Hospital
eaching experience would be an advantage.
y at once by letter, stating age, whether
ed or single and full particulars of qualifica-
and experience to the Crown Agents for the
ies, 4 Millbank, London, S.W.1, quoting
14336.

NCHESTER ROYAL INFIRMARY

cations are invited for the post of ASSIS-
T PHARMACIST. Salary at B.H.A.
according to experience.

plications, with full details of experience,
testimonials, to be sent to the Chief
macist.

URREY COUNTY COUNCIL

LUKE'S HOSPITAL, GUILDFORD.
ton County Hospital, Wolverton Avenue,
ton-on-Thames (perm. appt.) ASSISTANT
RMACIST. Temp. Must be M.P.S. or
Salary £250×£10—£300 p.a. plus bonus
.w. male, 18s. p.w. female.
ly to Medical Superintendent.

THE MILDMAY MISSION HOSPITAL

AUSTIN STREET, BETHNAL GREEN, E.2.

UNQUALIFIED LADY ASSISTANT required. Applicants should be in sympathy with the religious work of the hospital.

Apply, stating age and previous experience, to Miss R. L. Loader, M.P.S., at the above address.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word.

DRUG Store for disposal. Good surgical and mixed trade. West London main road. Small lock-up. Reasonable. 959/785, C. & D. Office.

FOR SALE, with vacant possession £2,750; centrally situated freehold house and shop in popular favourite Yorkshire seaside resort; one minute sea, close to amusements; 4 bedrooms, bath room, sep. W.C., sitting room, living room, kitchenette; Excellent shop, W.C., large cellar: E.L. throughout, gas; good condition; successful business 20 years prior to war. 959/789, C. & D. Office.

HERBAL and Hygienic Stores, main road, Ipswich; buses stop opposite; double-fronted; two large attics, 2 bedrooms (room, scullery, larder, ground floor); stock, fixtures. Goodwill £350. Reasonable trial given. Agreement 3 years with option; long lease possible; immediate possession. Apply Herbalist, 6 St. Johns Street, Bedford.

LONDON, E. A well-established Chemists and Opticians Business occupying an excellent trading position and having a steadily improving turnover which last year approximated £4,500. Spacious and well-appointed shop with good living accommodation. Rent £200 p.a. Reasonable price required for business with stock and fittings at valuation. For particulars apply 960/804, C. & D. Office.

OLD-ESTABLISHED, Good-class Retail Dispensing, N.H.I., Photographic, with property consisting two large shops (adjoining) good living accommodation, back entrance, space garage, garden; ideal position, main road. No opposition, scope increased turnover, opening Optics. PH.C., 11 Manor Park Parade, S.E.13.

PRIVATE Limited Company for sale, including Trade Mark (name). Suitable for hair and toilet preparations manufacturers. Principals apply in first instance to Messrs. Tonair Health Products, Ltd., 282 Bath Street, Glasgow, C.2.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

ESTABLISHED Chemist Business required now or in near future in Mansfield or surrounding district—with or without living accommodation. Neglected business with scope for increase would be considered—capital immediately available. Replies treated with strict confidence. 956/681, C. & D. Office.

HILLIER, PARKER, MAY & ROWDEN, Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses occupying premier trading positions in London and Provinces, or a Group Concern would be seriously considered. Owners contemplating sale or their solicitors are invited to write for further information to Hillier, Parker, May & Rowden, 77 Grosvenor Street, W.1.

NORTHERN IRELAND: wanted to purchase in Belfast or provincial town, goodwill, stock and fixtures and fittings of Pharmaceutical Chemist's shop. Apply, with full particulars, to 959/787, C. & D. Office.

WANTED

7/6 for 36 words or less, 7d. for every additional word.

AUTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N.19.

CITRIC Acid wanted. Large and small quantities. Box 738, Dorland, 18/20 Regent Street, London, S.W.1.

HYDROXY CITRONELLAL. Supplies required immediately. Please state price and quantity available. Utacti Products, 9 Percy Street, London, W.1.

MANUFACTURERS urgently require Pine Oil Sylvestris or Siberian. Please quote for small or large quantities to 957/726, C. & D. Office.

MICROSCOPES. We do not pay high prices for old junk, but for fine modern apparatus our prices are the best in the trade. If you want a dependable overhauled microscope, consult us. One criticism in ten years, and that speedily rectified—that is our record. Wallace Heaton, Ltd. (Mayfair 7511, ask for Mr. Cole), 127 New Bond Street, London, W.1.

PEPSIN Powder. Any quantity 4 ozs. upwards wanted. Offers to 957/708, C. & D. Office.

REQUIRED immediately. One Personal Platform Weighing Machine, complete with height meter. 959/783, C. & D. Office.

REQUIRED—Powder Mixer and Sifter. ½ to 1 cwt. capacity. Pride Products, 10 Park Square, East, Leeds, 1.

THE following are wanted in substantial quantities by wholesale distributing house. Must be an attractive pack: Cold Cream, Lanolin, Zinc and Castor Oil, Vanishing Cream, etc., etc. State prices and sizes, and quantities available. 959/774, C. & D. Office.

WANTED urgently, perfume filling machine for 1 and 2 dram bottles, new or second-hand. Reply Shah Bros., Ltd., 8 White Church Lane, Stepney, E.1.

WANTED. 1-oz. bottles, small or large quantities, machine made. Highest cash paid. Write: 947/385, C. & D. Office.

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